CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, August 29, 1907.

CONTENTS.

CONSTRUCTION NEWS:
Plans and Specifications on File..... 67
List of Contracts Pending..... 67
Railways 67
Electric Railways 68
Light and Power Plants..... 68
Bridges 69
Buildings 70
Water Supply and Irrigation..... 71
Sewerage 71
Streets and Roads..... 71
Manufacturing Plans 72
Miscellaneous Contracts 72
U. S. Possessions and Cuba..... 73
PROPOSALS 73, 74

CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

(denotes that this work is advertised in Engineering News.)*

The following Plans (P.) and Specifications (S.) are on file and may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York.

9 -5 Sidewalks, etc., Monroe, N. Y..(S) 8-29
9- 7 Dredging, Wash., D. C.....(S) 8-15
9- 7 W.-Works, Pensacola, Fla....(S) 8-15
9-14 Tank, etc., Norfolk, Va.....(S) 8-15
9-14*Valves, sluice gates, Manila, P. I. .....(P. & S.) 8- 1
9-14 Motor-generator sets, N. York.(S) 8-22
9-21 Power house, Portsmouth, N. H. .....(S) 8-29
10- 5*Locks and dams, Mobile, Ala., ...(P. & S.) 8- 8

LIST OF CONTRACTS PENDING.

LIGHT, HEAT AND POWER PLANTS.

8-31*Lighting, Lebanon, Pa..... 7-18
9- 3*Power plant, Winnipeg, Man.... 6-13
9- 3 Hydraulic power plant, L'Anse, Mich. 8-22
9- 3 Generator, etc., Portland, Me.... 8-22
9- 5 Power develop., Campbellford, Ont..... 8-15
9-12 Elec. plant, W-Wks., Millen, Ga.. 8-22
9-14*Power-house st., Napanoch, N. Y.. 8-29
9-14 Motor-generator sets, New York. 8-22
9-16 Lighting, Milton, Ohio 8-15
9-21 Power-house, Portsmouth, N. H.. 8-29
10- 1*Elec. equip., etc., Winnipeg, Man. 8-29

BRIDGES.

8-31 Bridge, Greenfield, Mass..... 8-29
9- 2 Bridge, Ashtabula, O. 8-29
9- 2 Bridges, Campbellsville, Miss..... 8-29
9- 2 Bridge, Greenville, Miss..... 8-29
9- 2 Bridges, Chandler, Okla. 8-29
9- 2 Culvert, Redwood City, Cal..... 8-29
9- 2 Bridge, Jefferson, Ohio..... 8-15
9- 2 Bridge, Tarboro, N. C..... 8- 1
9- 2 Bridges, St. Clairsville, Ohio.... 8-22
9- 2 Bridge, Trenton, Ohio..... 8-22
9- 2 Bridge, Danville, Ind..... 8-22
9- 2 Bridge, Sandpoint, Idaho..... 8-22
9- 3 Bridge, Sedalia, Colo..... 8-22
9- 3 Bridges, etc., Santa Barbara, Cal. 8-22
9- 3 Bridge repair, Anderson, Cal.... 8-22
9- 3*Bridge, Catlettsburg, Ky..... 8-15
9- 3 Bridge, Ingot, Cal..... 8-15
9- 3 Bridges, Natchez, Miss..... 8-29
9- 3 Superstructure, Springfield, Mass. 8-29
9- 3 Bridge, San Jose, Cal..... 8-29
9- 3 Bridges, Fargo, N. Dak..... 8-29
9- 3 Bridge, Albany, Mo. 8-29
9- 3 Bridge, Farmington, Cal..... 8-29
9- 3 Bridges, Newark, O. 8-29
9- 3 Bridge, Oakland, Cal. 8-29
9- 4 Bridges, Warrensburg, Mo. 8-29
9- 4 Bridges, Smiths Landing, N. J.... 8-29
9- 4 Bridge, etc., Bynum, Mont..... 8-29
9- 4 Bridge work, Columbus, Ohio.... 8-15
9- 4 Bridge, Winnipeg, Man..... 8-22
9- 4 Bridges, Vicksburg, Miss..... 8-22
9- 4 Bridge, Glasgow, Mont..... 8-22
9- 4*Concrete bridge, Rahway, N. J.. 8-22
9- 5 Superstrs., Eaton, Ohio..... 8-22
9- 5 Approach, Long Island City, L. I., N. Y. 8-29
9- 9 Bridge, Laurel Springs, N. J..... 8-29
9- 9 Bridge, Wichita, Kan..... 8-22
9- 9*Bridge, Plaquemine, La..... 8- 8
9- 9*Truss bridge, Laurel Springs, N. J. 8-22
9-10 Bridge, Yo Semite, Cal..... 8-22
9-11*Bridges, Philadelphia, Pa..... 8-29
9-13 Bridge, Dunbar, Neb. 8-29
9-13 Bridges, etc., Lorain, O..... 8-29
9-14 Bridge, Cleveland, Ohio..... 8-22
9-16 Bridge, Adin, Cal..... 8-22
9-16 Bridge, Madera, Cal..... 8- 8
9-23 Bridge, Newark, O..... 8-29
10-15 Bridge, Dunrea, Man..... 8-29

BUILDINGS.

8-29 Museum addition, New York 8-29
8-31*Marble floors, etc., Wash. D. C... 8-29
8-31 Masonic temple, Athens, Ohio.... 8-15
8-31 Jail, Williamsport, Ind..... 8- 8
9- 3*Officers' quarters, Wash., D. C... 8- 8
9- 3 Cell house, Bloomfield, Ind..... 8- 8
9- 3 Jail alterations, Buffalo, N. Y.. 8-22
9- 4*Bldg. impvts., New London, Conn. 8-22
9- 4 Pathological bldg., New York.. 8-22
9- 4 State bldgs., Albany, N. Y..... 8-22
9- 4 Post-office, Quincy, Mass..... 8- 1
9- 5 Laundry (Mfg. Pl.), Evansville, Ind..... 8- 1
9- 5 State bldgs., Geneva, N. Y..... 8-22
9- 5 Court-house addition, Columbia, S. C. 8-22
9- 9 School annex, Cleveland, Ohio.. 8-22
9-11 Alteration, New York, N. Y..... 8-29
9-14 Buildings (mfg. plant), Washington, D. C..... 8-29
9-14*Cottages, etc., Hudson, N. Y.... 8-22
9-11 Jail, Eureka, Cal..... 8- 8
9-14 Shops (Mfg. Pl), Pensacola, Fla. 8-15
9-16 Hospital, Buffalo, N. Y..... 8- 8
9-16*Hospital, Pittsburg, Pa..... 8- 8
9-16 Library, etc., Pullman, Wash.... 8-29
9-19 Post-office, Muscatine, Ia..... 8- 8
9-24 Post-office, Hamilton, Ohio..... 8-15
9-30*Post-office, Selma, Ala..... 8-22
10- 1 Y. M. C. A. Bldg., Indianapolis, Ind. 8-29
10- 1*Court-house, Eau Claire, Wis..... 8-29
10- 3 Court-house plans, La Moure, N. Dak. 8-15

WATER-WORKS.

8-30 W.-Works, Bradshaw, Neb..... 8-15
8-30 Mains, etc., Columbus, O..... 8-29
8-30 Main, Grand Forks, N. Dak..... 8-29
8-31 Softening plant, Oklahoma City, Okla. 8-29
8-31 Main, etc., Montgomery, Minn.. 8-15
8-31*Mains, etc., Grosse Pointe Farms, Mich. 8-22
8-31 Ditch, Sanders, Mont..... 8-22
8-31 Water meters, Chicago, Ill..... 8-22
9- 4 Water mains, etc., Cazenovia, N.Y. 8-29
9- 2 Stand-pipe, Carrington, N. Dak.. 8-22
9- 3 Pipe, Victoria, B. C..... 8-22
9- 4 Ditch, Woonsocket, S. Dak..... 8-29
9- 5 Reservoir walls, Bellevue, O..... 8-29
9- 5 Water-works, Leesburg, O. 8-29
9- 3 Bonds, Jackson, Miss..... 8-22
9- 3 Ditches, Ft. Snelling, Minn..... 8-15
9- 3*Channels, etc., Joliet, Ill..... 8-15
9- 3 Pipe, etc., Kansas City, Mo.... 8-15
9- 3 Pipe, Victoria, B. C..... 8- 8
9- 4*Water pipe, New Orleans, La.... 6-27
9- 5*Bonds, Elkins, W. Va..... 8-15
9- 6 Conduit, Montreal, Que..... 8- 8
9- 7 W.-Works, Pensacola, Fla..... 8-15
9- 8*Engines, etc., Louisville, Ky..... 8- 1
9- 9 Reservoir, etc., Orange, N. J.... 8-22
9- 9*Reservoir, etc., Orange, N. J..... 8-29
9-10 Pumps, etc., Buffalo, N. Y..... 8-29
9-10*Ditch, Sibley, Iowa 7-25
9-14*Valves, sluice gates, Manila, P. I. 8- 1
9-14 Tank, etc., Norfolk, Va..... 8-15
9-20*Reservoir, etc., Canon City, Colo. 8-29
9-30*Pipe, boilers, etc., Los Angeles, Cal. 8-29

SEWERS.

8-30 Sewers, etc., Richmond, Ind.... 8-22
8-30 Sewers, Youngstown, Ohio..... 8-22
8-30 Sewer, Norfolk, Neb..... 8-29
8-31 Sewers, Canal Dover, Ohio..... 8-22
9- 2 Sewer, Grand Forks, N. Dak.... 8-22
9- 2*Sewers, Riverside, N. J..... 8-22
9- 2*Curb, gutter, etc., Jamestown, N. Y. 8-22
9- 2 Sewers, etc., Supply, Okla..... 8-29
9- 3 Sewer, Trenton, N. J..... 8-29
9- 3 Sewers, Toledo, O. 8-29
9- 3 Sewer, New Ulm, Minn..... 8-29
9- 3*Grading, Wash., D. C..... 8-22
9- 3 Sewer, Kingston, N. Y..... 8-22
9- 3 Sewers, Alexandria, La..... 8-22
9- 3*Sewers, Canton, Ohio..... 8-22
9- 3*Sewer, New Philadelphia, O..... 8- 1
9- 4 State highways, Providence, R. I. 8-22
9- 4*Paving, Elmira, N. Y..... 8-22
9- 4 Sewers, Beloit, Wis..... 8-29
9- 5 Sewer, New York, N. Y..... 8-29
9- 5 Sewer, Monessen, Pa. 8-29
9- 5 Sewer, Johnson City, Tenn..... 8-29
9- 6 Sewer, Olean, N. Y..... 8-29
9- 7 Sewer, Seattle, Wash..... 8-29
9- 9 Sewers, etc., Bryant, S. Dak.... 8-22
9-11*Sewers, etc., New Orleans, La.... 7- 4
9-11 Sewer work, Hoboken, N. J..... 8-29
9-11*Sewers, etc., Philadelphia, Pa.... 8-29
9-11 Sewers, New York, N. Y..... 8-29
9-13 Sewers, etc., Lakemills, Wis..... 8-22
9-16*Sewers, etc., Linton, Ind..... 8-29
9-17*Sewers, etc., South Orange, N. J.. 8-29
9-19*Sewers, etc., Togus, Me..... 8-29

STREETS AND ROADS.

8-30 Macadam, etc., Woodsfield, Ohio. 8-22
8-30 Grading, etc., Wauseon, Ohio.... 8-15
8-30 Road work, Madisonville, Ohio... 8-15
8-30 Macadam, etc., Marshfield, Mo... 8- 8
8-31*Paving, etc., Ridgway, Pa..... 8-15
8-31 Road, Huntington, Ind..... 8-15
8-31 Paving, etc., New Martinsville, W. Va. 8-29
9- 2 Road, Salem, Ind..... 8-29
9- 2 Paving, etc., Oakmont, Pa..... 8-29
9- 2 Paving, etc., Ottumwa, Iowa..... 8-29
9- 2 Sidewalks, Montgomery, Ala..... 8-29
9- 2 Paving, etc., Fond du Lac, Wis. 8-22
9- 3 Grading, etc., Snow Hill, Md..... 8-22
9- 3 Macadam, Wilmington, Del..... 8-22
9- 3 Sidewalks, etc., Lake Charles, La. 8-22
9- 3 Road, Jacksboro, Tenn..... 8-22
9- 3*Paving, etc., Canton, Ohio..... 8-22
9- 3 Roads, Covington, Ind..... 8-22
9- 3 Paving, etc., Monticello, Ind..... 8-22
9- 3*Highway roads, Albany, N. Y.... 8-15
9- 3 Road, Yorktown, Va..... 8-15
9- 3 Paving, Beardstown, Ill..... 8- 8
9- 3*Paving, New Philadelphia, O.... 8- 1
9- 3*State roads, Albany, N. Y..... 8- 8
9- 3 Road, Bloomfield, Ind..... 8-29
9- 3*Road work, Bayonne, N. J..... 8-29
9- 3 Sidewalks, Florence, Ala..... 8-29
9- 4 Paving, etc., Buffalo, N. Y..... 8-29
9- 4 Paving, etc., Portsmouth, O..... 8-29
9- 4 Paving, etc., New York, N. Y.... 8-22
9- 4 Roads, Bloomington, Ind..... 8-22
9- 5 Macadam, etc., Carrollton, Ohio.. 8-22
9- 5 Macadam, etc., Berghols, O..... 8-29
9- 5 Paving, etc., New York, N. Y.... 8-29
9- 5 Sidewalks, etc., Monroe, N. Y..... 8-29
9- 5 Paving, etc., Johnson City, Tenn. 8-29
9- 6*Paving, etc., Champaign, Ill..... 8-29
9- 6 Roads, Decatur, Ind..... 8-22
9- 6 Roads, Bluffton, Ind..... 8-15
9- 7 Roads, Washington, Ind..... 8-29
9- 7 Grading, etc., Terre Haute, Ind... 8-29
9- 9 Road, El Paso, Tex..... 8-29
9- 9 Sidewalks, De Land, Fla..... 8-29
9-11 Grading, etc., Cleveland, O..... 8-29
9-11*Paving, etc., Bridgeton, N. J.... 8-22
9-11 Paving, etc., Cincinnati, Ohio... 8-22
9-12 Paving, etc., Cincinnati, Ohio.... 8-22
9-12 Grading, etc., Cincinnati, O..... 8-29
9-12 Grading, etc., Marietta, O..... 8-29
9-13 Paving, etc., Cincinnati, O..... 8-29
9-13 Macadam, Madison, Wis..... 8-22
9-14*Roads, etc., Ft. Moultrie, S. C... 8-22
9-20 Road, Rockville, Ind..... 8-22
9-24 Road, Lebanon, Ind..... 8-22

MISCELLANEOUS.

8-30 Locomotives, Panama 8-22
8-30 Seawall, New Orleans, La..... 8-22
8-30*Suction dredges, New York, N. Y. 8- 1
8-30 Excav., Cape Porpoise, Me..... 8- 1
8-30*Iron flagstaff, New York, N. Y... 8-15
8-31 Greenhouses, etc., Willimantic, Conn. 8-29
9- 2*Rubble stone, dikes, New York.. 8-15
9- 2 Dredging, Tacoma, Wash..... 8-22
9- 3 Supplies, Wash., D. C..... 8-22
9- 3*Excav., concrete walls, Joliet, Ill. 8-15
9- 3 Torpedo boats., Wash., D. C..... 7-25
9- 3*Pier, dredging, Milwaukee, Wis.. 8- 8
9- 3 Engineering supplies, Panama.... 8-22
9- 4*Dredging, Providence, R. I..... 8- 8
9- 4*Dredging, Norfolk, Va..... 8-15
9- 4*Garbage disposition, Balto., Md.. 8-15
9- 4 Painting, ferry boats, New York. 8-29
9- 5 Subway exit, Boston, Mass..... 8-29
9- 5*R. R. grading, bridges, Pensacola, Alabama & Western 8-15
9- 5 Dredging, Seattle, Wash..... 8-22
9- 6*Emplacements, West Point, N. Y. 8-22
9- 6*Concrete conduit, Montreal, Que. 8- 8
9- 6 Rock, New Orleans, La..... 8-29
9- 6 Dike, Boston, Mass. 8-29
9- 7*Dredging, Wash., D. C..... 8-15
9- 7*Dredging, New London, Conn... 8-15
9- 7*Con. conduit, Little Rock, Ark... 8-15
9- 7*Dredging, Little Rock, Ark..... 8-15
9- 9 Lumber, etc., New York..... 8-29
9-10*Breakwater, Bar Harbor, Me..... 8-15
9-10*Breakwater, Cleveland, Ohio..... 8-15
9-10*Dredging, New Orleans, La..... 8-15
9-10 Drainage, Sibley, Iowa..... 8- 1
9-10*Light-house, Philadelphia, Pa.... 8-22
9-11 Levee, Bradley, Ark..... 8-22
9-11*Concrete dams, Cincinnati, Ohio.. 8-15
9-11 Ditches, Estherville, Iowa..... 8-29
9-14*Dredging, etc., Moultrieville, S. C. 8-22
9-16 Bulkhead, Stockton, Cal..... 8-22
9-16 Earth filling, Plaquemine, La.... 8-29
9-17 Lumber, New Orleans, La..... 8-29
9-18 Dredging, Seattle, Wash..... 8-29
9-19*Walls, dredging, Gardiner, Me... 8-22
9-19*Removal wreck, Boston, Mass... 8-22
9-25*Steam shovels, etc., Panama..... 8-29
9-30*Searchlight outfit, Washington, D. C..... 8- 1
10- 5*Lock, dam, Vicksburg, Miss..... 8- 8
10- 5*Locks, dams, Mobile, Ala..... 8- 8
10- 7*Excavation, Detroit, Mich..... 8-29
10- 8*Dredging, Detroit, Mich..... 8-29
10-10 Canal, Peterboro, Ont..... 8-29
10-15*Cement, stone, sand, Hawaii..... 8-29

FOREIGN.

9- 2 Wharf plans, etc., Sweden..... 5- 2
9-18 Bridges, Egypt 8-22
9-25 Telephone cable, Australia 8-22
9-30 Railway bridges, Chile..... 8- 1
9-15 Abattoir plans, France 6- 6
10-19*Steel bridge, China 8-22
11- 1 Pine sleepers, Egypt 8-22
12-16 Iron const. material, Brazil..... 8-22
12-26 Bridges, Egypt 8-22
12-31 City lighting, India 6- 6

CIVIL SERVICE.

9- 4 Document Cataloger, Wash., D. C. 8-15
9- 4 Hydrographic Surv., Cuba..... 8-15
9- 4 Engineer, Cheyenne Agency, S. Dak..... 8-15
9- 4 Marine engineer, Boston, Mass... 8-22
9- 9 Crop Technologist, Wash., D. C.. 8-22
9-11 Computer, Wash., D. C..... 8-22
9-11 Hull Inspctr., San Francisco, Cal. 8-22
9-11 Computer, Wash., D. C..... 8-22
9-18 Mfg. Cement Chemist, Roosevelt, Ariz. 8-22
9-18 Mineral Clerk, California..... 8-22
9-18 Mech. Draftsman, Wash., D. C.. 8-22
9-18 Nautical Expert, Wash., D. C.. 8-22
9-18 Foreman Mechanic, Ft. Leavenworth, Kan..... 8-22

RAILWAYS.

ALABAMA WESTERN.—The directors of the Alabama Western Railroad met at Decatur, Ala., on Aug. 15, and perfected their organization by electing a new Board of Directors, to be known as a permanent board, and by the election of officers for the company. S. E. Gardner, of Landersville, was elected Pres., and Judge J. C. Kumpie, of Moulton, First Vice-Pres. The proposed road is to run from Tuscumbia to Gadsden, crossing the Louisville & Nashville at Falkville, 18 miles south of Decatur. Surveys of the road have already been partly made, and some of the stock has been taken. It is said that work of constructing the road will commence within the next year.

ATLANTIC, QUEBEC & WESTERN.—The road is now completed from New Carlisle, Que., north to Port Daniel, 23 miles. Active operations are under way from Port Daniel north to Gaspe Basin, 80 miles. Operations are shortly to be started at Grand River, Cape Cove and Gaspe Basin. Bids will soon be asked for ties, rails and the construction of bridges. Contracts will be let this fall and the whole line is to be under construction by spring. At Port Daniel the company will begin at once tunneling through Hell's Cape, 400 ft., it is said. Alphonse Lemieux is Mgr., and J. V. Nimmo is Res. Engr., at Paspebiac, Que.

BAKERSFIELD AND VENTURA.—A branch line is to be built northeast from Sunset to Bakersfield, Cal., also a branch from Saticoy south via Oxnard, to Hueneme, on the Pacific coast, a total of 370 miles, it is stated. A branch is projected from Santa Paula southeast to Santa Monica, thence east to Los Angeles, 50 miles. Contracts for grading and bridges may be let early this fall. The work will include several tunnels and eight or ten bridges. T. B. Blackburn is Ch. Engr., Los Angeles, Cal.

BILLINGS & NORTHERN. — When main line is completed this company will consider plan of building a branch line to Kendall, Mont., from Billings.

BLADEN & NORTHERN.—Construction of first 20 miles of this railroad, between Stedman and White Oak, N. C., will be started soon, it is reported. Wm. Moncure, Fayetteville, N. C., is Gen. Mgr.

BUFFALO, ROCHESTER & EASTERN.—We are officially advised that this company is now running preliminary surveys for its line which is to connect Buffalo, Rochester and Troy, N. Y. R. D. Gillet, Westfield, Mass., is Pres. Gilbert Hodges is Ch. Engr., 131 State St., Boston. Noted fully on July 18.

CANADIAN PACIFIC.—Contract has been let to J. G. McARTHUR for grading 73 miles from Moose Jaw, Sask., northwest. The contract is said to amount to about $300,000.

COVINGTON & WABASH VALLEY.—Incorporated in Indiana to build a railroad from Covington to Silverwood, 13 miles. Capital stock, $50,000. Directors: William G. Ruehl, 445 South Winchester Ave., Chicago; Charles Walter Leinbach, William E. Banebrake, William G. Miles, George A. Murphy, Charles H. Dochterman and George P. Schwinn, all of Covington, Ind.

DANVILLE & SCOTTSVILLE.—This company, which was incorporated about two years ago, has commenced construction on this road from Danville, Ky., to Scottsville, Tenn., 100 miles; $2,000,000 has been subscribed. The following officers were elected on Aug. 15: J. S. Allen, New York, Pres; F. P. Combest, Liberty, Ky., Vice-Pres.; M. J. Farris, Danville, Ky., Treas.; A. E. Hundley, Danville, Secy.

DAYTON, LEBANON & CINCINNATI RY. & TERMINAL CO.—This company has been formed by Frederick H. Goff, S. H. Tolles, John E. Morley, Charles H. Gale and Charles M. Buss, of Cleveland, Ohio, to acquire and operate the Dayton, Lebanon & Cincinnati, which was sold at receiver's sale on May 10. The new company has a capital of $1,000,000. We are officially advised that completion of this property is contingent upon franchise action by city of Dayton, Ohio. Frank Brandon is Pres., Lebanon, Ohio.

DELAWARE & HUDSON.—The Public Service Commission, Second District, has approved plans for a derailing system to be installed at the point where the railroad tracks of the Delaware & Hudson cross those of the Hudson Valley Ry. Co. (electric) at Mechanicsville, N. Y. The plans, which were devised by Charles R. Barnes, Elect. Expert of the Commission, provide for two lever boxes operating derailing switches, distant 79 ft. on one side and 69 ft. on the other. It will be necessary, under this arrangement, for the conductor of the Hudson Valley Railway car to turn the switches, their normal position being such that his car would be derailed. This compels the conductor to go to the point where the danger is greatest before he gives the signal to proceed. D. E. Van Wert is Ch. Engr. of the Hudson Valley Co., at Glens Falls, N. Y.

ESQUIMALT & NANAIMO.—Construction of the extension from Nanaimo to Alberni, B. C., will be started soon. The surveys of the projected line have been carried to that point to permit of construction at once from Wellington toward Alberni. By means of this line, Alberni will be brought into close connection with Vancouver, Victoria and Nanaimo and the whole west coast of the island will thereby be far more readily and conveniently accessible. The Redcliff Lumber Co., of Duluth, Minn., has recently purchased 30,000 acres of the best timber land in the province adjacent to the proposed line and will erect a large saw mill at Alberni, to be ready for operation by the time the rst trains are running. Another large mill is to be erected at Alberni by Everett, Wash., capitalists, who have large lumber holdings adjacent to Barclay Sound. Their holdings consist mainly of cedar, which will be shipped east to Winnipeg. R. Marpole is Vice-Pres., Vancouver, B. C.

FENTRESS COUNTY R. R.—W. W. Wood, Pres., Jamestown, Tenn., states that the election in Fentress County to vote on the proposition to take $50,000 stock in the line will be held about Sept. 15. The proposed route is from Johnson Stand via Jamestown, Tenn., to Monticello, Ky. Noted fully on June 27.

GRASSY & ELKHORN.—John F. Hager, Coal Grove, Ohio, states that this road is to extend from Elkhorn to Grassy Creek, Ky., 3½ miles, and that right of way is being secured. Leon Isaacson is Pres., Coal Grove, Ohio.

GREAT NORTHERN.—The line between Whitefish, Mont., and Summit, Wash., will be double-tracked and a large section will be rebuilt. A. H. Hogeland is Ch. Engr., St. Paul, Minn.

HOUSTON BELT & TERMINAL RY. CO.—Company has filed a mortgage for $5,000,000 securing bonds to build its belt line and terminals in Houston. Construction is to be started soon. P. G. Burns is Engr.-in-Charge, Fort Worth, Texas.

KANSAS CITY SOUTHERN.—Regarding the report that right-of-way has been nearly all secured for the proposed extension of this line to New Orleans, A. F. Rust, Engr., Kansas City, Mo., advises us that "work was suspended over a year ago, and no instructions received since." As noted in issue of Aug. 1, the New Orleans branch, if built, will start from Leesville, La., 118 miles north of Port Arthur, and run southeasterly, through Oberlin and Eunice, to Crowley, on the Southern Pacific, which will be paralleled as far as New Iberia, 41 miles. From that point the route runs easterly and then southeasterly, between the Texas & Pacific and Southern Pacific, passing through a rich sugar plantation country. The length of the branch from Leesville to New Orleans will be about 250 miles, and the distance from Kansas City to New Orleans about 918 miles.

KENTUCKY UNION LAND & TIMBER CO.—This company, it is stated, will build a 20-mile narrow-gage railroad out of Jackson, Ky., to timber lands in Breathitt and Perry Counties. Construction will begin in 30 days. C. B. Hill, of Jackson, is Engr.-in-Charge.

KNOXVILLE, SEVIERVILLE & EASTERN.—Surveys have commenced for this proposed road from Sevierville, Tenn., to Knoxville or Rockford. C. S. McManus is Pres. W. J. Oliver, Knoxville, Tenn., is Vice-Pres. Noted on Aug. 1.

MATTAMUSKEET.—This company, it is reported, proposes to build a railroad from Pamlico Sound to Belhaven and thence to Washington, N. C., 43 miles. Construction has been commenced. H. C. Carter is Pres. and Gen. Mgr., and C. W. Davis, Secy. and Treas., Engelhard, N. C.

MINNEAPOLIS, ST. PAUL & SAULT STE. MARIE.—Company has filed a notice with the Secretary of State, Minnesota, of its intention to build a line from Brooten, Minn., to Superior, Wis., passing through the counties of Stearns, Morrison, Mille Lacs, Aitkin, Pine and Carlton, and the villages and cities of Royalton, Lawrence and Moose Lake. Fifteen miles of the proposed road are to be in Wisconsin, all in Douglas County, and the northern terminus is to be at the south line of block 37, in Superior, where it is to connect with a new line which the Wisconsin & Northern Minnesota R. R. Co. intends to construct.

The Wisconsin & Northern Minnesota Co. has also filed a notice of its intention to change the route of its main line in Douglas County, Wis., so as to conform to the new line which the M., St. P. & S. Ste. M. Co. proposes to build. The Wisconsin & Northern Minnesota also gave notice of its intention to build a branch line in Douglas County, a distance of one-half mile. Both this company and the "Soo" have applied to the State Railroad Commission for authority to issue stock with which to construct the proposed lines. Their petition will be heard next month.

MOREHEAD & NORTH FORK.—An extension is to be built to the head of the north fork of Licking River, Ky., 18 miles, to develop land owned by the Clearfield Lumber Co. The SNYDER CONSTRUCTION CO., INC., Morehead, Ky., has the contract. E. W. Hess, of Clearfield, Pa., is Ch. Engr.

NEVADA COUNTY NARROW-GAGE.—A cut-off will be built soon from a point between Grass Valley and Colfax, Cal. A steel bridge will be built across Bear River. HORAN BROS., of Grass Valley, have grading contract. Chas. P. Loughridge is Ch. Engr., Grass Valley, Cal.

OREGON & WASHINGTON.—Contracts for grading about one-half of this road, an extension of the Union Pacific, from Portland, Ore., to Tacoma, Wash., have been awarded, it is reported, and preparations are being made to start construction with large forces. The DIBBLE-HAWTHORNE CO., of Tacoma, Wash., has the contract for ten miles from Centralia to Bucoda, Wash. J. D. Farrell is Vice-Pres., and E. C. Hawkins, Ch. Engr., both of Seattle, Wash.

PAGOSA SPRINGS & DEL NORTE.—Incorporated in Colorado by Whitney Newton, 1276 South 15th St.; Edmund F. Richardson, of the law firm of Richardson & Hawkins, 407 E. & C. B. Bldg., all of Denver. Company plans to build a railway at Juanita, Colo., on the Denver & Rio Grande Ry. in Archuleta County. From this point it runs in a northerly direction to Pagosa Springs, thence in a northeasterly direction through Mineral County to Del Norte.

POINT JUDITH.—The stockholders of this company, which proposes to build a railroad from Narragansett Pier to Point Judith, R. I., five miles, have authorized an increase in the capital stock to $1,000,000. Isaac Robinson, of Wakefield, R. I., is Secy.

RANDOLPH & CUMBERLAND.—N. H. Caldwell, Vice-Pres. and Secy., Carthage, N. C., advises us that contracts will be let within 90 days for building 20 miles, up Deep River. Survey is made and capital for construction secured. Right-of-way is partly obtained. Ira A. McCormack is Pres., Carthage. W. C. Cram, Jr., is Ch. Engr., Hallison, N. C.

TOMAHAWK & EASTERN.—Incorporated in Wisconsin to build a railroad from Tomahawk to Harrison and from Antigo Junction to Grundy Junction, a total of 21 miles. Capital stock, $25,000. Incorporators: W. T. Bradley, J. W. Froelich, C. H. Grundy, C. C. Uber and A. H. Reid. Principal office, Tomahawk, Wis.

WICHITA FALLS & SOUTHERN.—Grading is reported completed from Wichita Falls to Archer, Tex., 22 miles; and construction is under way, 18 miles, to Olney, Texas. Survey has been made also 15 miles beyond Olney to Fort Belknap. Line is to run to Cisco, Tex. J. A. OWENS is contractor; J. A. Kemp is Pres., and Frank Kell is Vice-Pres. and Gen. Mgr. J. W. Field is Ch. Engr., Wichita, Falls.

WICHITA FALLS & NORTHWESTERN.—Stockholders are reported to have voted an issue of $30,000 of bonds per mile to complete the Red River Division into Frederick, Okla., 32 miles, from Altus, Okla.

ELECTRIC RAILWAYS.

WALTHAM, MASS.—The directors of a new company, known as the Boston, Waltham & Western Electric R. R. Co., have petitioned the Board of Railroad Commissioners to issue a certificate that public necessity and convenience require the construction of an electric railroad to connect the cities of Waltham and Marlboro and the towns of Weston, Wayland, Sudbury and Maynard. The petition is filed under the interurban act of last year. The stockholders named are as follows: Atherton W. Rogers and George A. Haynes, of South Sudbury; Winthrop H. Fairbanks, Rowland P. Harriman, Edwin A. Powers, Francis E. Bent, Henry E. Rice, Richard B. Olney, Charles E. Stevens and John C. Hall, all of Sudbury; Thomas F. O'Neill and Sidney D. Haynes, of North Sudbury; Joel D. Haynes, of Northampton; S. H. Howe, F. H. Meldon and Henry Parsons, of Marlboro. As noted on Aug. 8, Charles E. Stevens, the promoter of the B., W. & W. Elec. R. R. Co., advises us that this line when built, will be 23 miles long and will connect Waltham, Weston, Wayland, Sudbury and Maynard with Marlboro. The first section to be built is from South Sudbury to Maynard. Charter has not yet been secured. Company is capitalized at $240,000.

ALBANY, N. Y.—The Public Service Commission, Capitol, Albany, N. Y., has directed that every steam and street railroad company doing business under the supervision of the commission shall file with it certified copies of all contracts, agreements or arrangements to which it may be a party which in any way relate to the carriage or transportation of freight, express matter and passengers, or either, or to the handling, use or transportation of cars or locomotives. These sworn copies must be filed on or before Sept. 14.

BUFFALO, N. Y.—The Crosstown Street Railway Co., of Buffalo, has made application to the Public Service Commission, Second District, for its permission and approval to construct a double-track extension of its electric railway in Delavan Ave. in the town of Cheektowaga, Erie County, from the present terminus of the line to the Pine Hill road in that town.

CANANDAIGUA, N. Y.—The New York State Board of Railroad Commissioners has consented to the issuance of a $2,000,000 mortgage by the Canandaigua Southern Electric R. R. Co. This company is planning to build an electric street surface railroad between Canandaigua, Ontario County, and Atlanta, Steuben County. The company has also filed with the board certificates of extension to build from Atlanta to Wayland, Steuben County, 6¾ miles; from Atlanta to Lake Salubria, near Bath, Steuben County, 21½ miles; and from Canandaigua to Palmyra, 14 miles.

ROCHESTER, N. Y.—Option on the entire stock of the Genesee & Orleans Electric Ry. Co. has been taken by George W. Mische and W. C. Albertson of Rochester, who assert that the option will be exercised before the date of its expiration in October. They state that the road will be built, not only as planned, but with various extensions to connect with other electric and steam railroads. The Genesee & Orleans Elec. Ry. Co. was organized six years ago to operate between Batavia, Barre, Oak Orchard, Albion and Elba. The necessary certificate of necessity and convenience was obtained, but no construction was undertaken. The officers of the company are as follows: Pres., Charles E. Hart, Albion; Vice-Pres., George W. Aldridge, Rochester; Secy., and Treas., John H. Gregory, Rochester. Board of Directors, Charles E. Hart, Albion; John H. Gregory, Houstan Barnard, George Wilder, Charles H. Babcock, John F. Kinney and Charles T. Chapin, Rochester; and James M. Aikenhead, Barre Center. The company is capitalized at $50,000, $5,000 of which has been issued.

TITUSVILLE, PA.—The Titusville Elec. Traction Co. may build an extension to Oil City. W. J. Smith, Titusville, is Gen. Mgr.

JOHNSTOWN, PA.—The Southern Cambria R. R. Co. has awarded contract for electrical equipment for its line between Johnstown and South Fork to TENNIS BROS. CO., 336 Fourth Ave., Pittsburg. Noted last week.

BROWNSVILLE, PA.—We are officially informed that the Brownsville, Carmichaels & Waynesburg Ry. Co. has awarded a contract to the MASONTOWN CONSTRUCTION CO., of which E. S. Hackett is Pres.; W. J. Sheldon, Vice-Pres. and Gen. Mgr.; C. A. Smith, Secy., Masontown. Mr. Sheldon is Pres. of the B., C. & W. Co., McKeesport, Pa. Work will be started in October. Franchises have been obtained. The line will be 15 miles long. Survey is under way. Noted on July 18 and June 27.

CHESTERTOWN, MD.—Alva A. Lamkin, Secy. of the Kent Traction Co., 611 Equitable Bldg., Baltimore, advises us that contracts will be let in a short time for constructing this company's proposed electric line from Chestertown to Tolchester, eleven miles. Right-of-way is obtained and survey made. Capital is 60% secured. The railway, which will be built for freight service, will either touch or pass near the towns of Fairlees, Georgetown, Sandy Bottom, Rock Hall, Melitota and Lankford.

WHEELING, W. VA.—The Interurban Railway Co., of Wheeling, has been chartered to build an electric railway from Wheeling to Bethany, W. Va. Capital, $10,000. The incorporators are W. D. Pinson, J. R. Caldwell, A. H. Werden, J. H. Brennen, of Wheeling, and others.

SALISBURY, N. C.—The New South Investment Company has been chartered to build and operate street railways, etc. Capital, $5,000,000, but it may begin business when $3,000 are subscribed. Those interested are Cornelius O'Connor, of New York; Frederick H. Payne, of Williamsport, Pa.; Dix W. Noel, 1 Broadway, New York, and L. L. Gaskill, of Salisbury.

COLUMBIA, S. C.—A. E. Legare, Columbia, advises us that the South Carolina Public Service Corporation will resume work on surveys for its pproposed road from Charleston to Columbia and through Piedmont section about Sept. 1. The road will be between 500 and 600 miles long. Contracts will be let about Jan., 1908.

ENSLEY, ALA.—The Ensley Street Ry. Co. has let a contract to SMILEY SONS & CO. to build its extension on Ave. E and 27th St. to Ensley South Highlands.

CHATTANOOGA, TENN.—D. J. Duncan, Gen. Mgr., of the Chattanooga Railways Co., is reported as saying that the company contemplates spending about $450,000 for improvements, including extensions.

PADUCAH, KY.—J. W. Williams, of Mayfield, Ky., who recently purchased a railway franchise in Mayfield, advises us that the Paducah Southern Elec. R. R. Co. plans to build an electric line from Paducah to Hickman, via Mayfield and Fulton, 75 miles. Right-of-way is partly secured. Capital has been negotiated. Survey has not been made yet. Contract for construction work has been let to the SOUTHERN CONSTRUCTION CO., Paducah. Noted on July 25.

DANVILLE, KY.—The Danville Light, Power & Traction Co. contemplates building a street railway, which may be eventually connected with an interurban system reaching Lancaster, Stanford, Hustonsville, Johnson City and Harrodsburg, Ky. T. M. Jenkins is Vice-Pres. and Secy., Danville. This company operates a lighting system in Danville.

BRUNSWICK, GA.—The City & Suburban Railway Co. proposes to construct an electric line four miles long. The incorporators are F. D. M. Strachan, Frank D. Aiken, E. F. Coney, C. Downing and A. Fendig of this city; and George P. Walker, George F. Armstrong and Harry D. Strachan of Savannah, and Ernest L. Simpson, 59 West 88th St., and Lewis H. Spence, 320 West 75th St., New York.

ST. AUGUSTINE, FLA.—The St. Johns Light & Power Co. may build about five miles of track during the next three months. It is said that the company will also purchase rolling stock. J. F. Miller, Ch. Engr.

JACKSONVILLE, FLA.—George W. Clark has given bond to the Board of County Commissioners for $10,000 to guarantee the building of a railroad from the city limits to Panama Park within a year, "provided that Mr. Clark is not prevented by injunction."

HARVARD, ILL.—The sale of the Chicago, Harvard & Geneva Lake Electric Ry. to the Elgin, Belvidere & Rockford Electric road interests has just been consummated, and the latter will take immediate steps not only to close the gap between Harvard, the southern terminus of the Chicago, Harvard & Geneva line and its own line at Marengo, but will also begin surveying for an extension of the line to Elkhorn, Wis., touching Delavan Lake at its eastern end. It is expected that both sections of new road will be graded this fall and the entire line be equipped for service early next spring. The Chicago, Harvard & Geneva Lake is eleven miles in length, extending from Harvard, Ill., to the west end of Geneva Lake, and has no other electric connections. H. T. Windsor is Mgr. of the C., H. & G. L. Ry. at Walworth, Wis.

EAST ST. LOUIS, ILL.—The Secretary of State has authorized the incorporation of the East St. Louis & Eastern Railway Co., with headquarters at East St. Louis, and a capital stock of $2,500. The line is to be constructed from a point near Belleville in a westerly direction to East St. Louis. The incorporators are: L. C. Haynes, T. W. Gregory, G. C. Pierce, F. H. Thomas and F. H. Kruger.

SPRINGFIELD, ILL.—A certificate has been filed with the Secretary of State of an increase in the capital stock of the Springfield Belt Railway Co., from $5,000 to $500,000. This company is to construct a belt railroad from a point east of Springfield to connect with the line south of the city limits in order that it will not be necessary to run express cars through Springfield.

DANVILLE, ILL.—The Danville & Eastern Illinois Railway Co. has certified to an increase of capital stock from $5,000 to $500,000. This road is to be built from Danville to Terre Haute, Ind.

MANKATO, MINN.—We are officially informed that contracts will be let at once for building five miles of city railway, etc., for the Mankato Traction Co. Surveys are made and right-of-way and capital are obtained. W. L. Hixon is Pres., Mankato. The Knox Engineering Co., Fisher Bldg., Chicago, is Engr. Noted on June 27.

ARKANSAS CITY, KAN.—G. Luther Brown, Mayor, advises us that surveys have been made for an electric line to connect Winfield with Arkansas City, and right-of-way has been secured, but nothing else has been done as no franchise has been granted. Mr. Brown writes that "there is a good opening for new parties. This field is very attractive if thoroughly investigated."

PARSONS, KAN.—The City Council has granted C. L. Brinser a franchise for a street railway line which is to be part of an interurban system. There will be two lines, one extending north to Chanute and Pittsburg and the other south to Altamount and Edna, and then on to Coffeyville.

GALLATIN, MO.—Frank Clark, of Hamilton, Mo., writes us that surveys will be started soon for the proposed electric road to connect Gallatin and Excelsior Springs. No company has been formed as yet. Those interested are A. J. Ogden, J. D. Giddings, J. W. McLean, of Hamilton; S. C. Rogers, C. W. M. Love and Quinby James, of Kingston, Mo. W. B. Rollins, Kansas City, Mo., is Engr.

KANSAS CITY, MO. — The Kansas City Railway & Light Co. has authorized issuance of $5,500,000 of notes, of which $3,000,000 will be used for extensions and improvements, while the balance will be employed for refunding. Charles N. Black is Gen. Mgr. and Ch. Engr., 1500 Grand

HOT SPRINGS, ARK.—A has been granted by the City to Hayes Bros. I. I. & Real E. Co. for an electric street railway.

SNOHOMISH, WASH.—Co... has been let to the CONTINENTAL ENGINEERING CO. for building first 55 mile... the Snohomish Valley Ry. Subcontract... been given to the SNOHOMISH CONST... CONSTRUCTION CO. for several 15-mile sections. ... Holburn is Vice-Pres. and Ch. Engr., at Snohomish.

PULLMAN, WASH. — The... Lyman, La Crosse & Columbia River R. ... plans to build electric railway from ... to the Columbia River. It is being ... noted by J. O. Staats, Dr. H. M. Gre... and E. S. Knowlton. Right-of-way for ... miles has been secured and surveyors w... out in the field at once to establish the ... line. Arrangements are practically ... for funds with which to build the line. ... of construction may begin by Octob...

VANCOUVER, WASH.—The ... Washington Railway & Power Co., which is ... building the street railway in this city, will ... complete the system here first and then ex... line to La Center, and then to Orchar... The cost will be about $20,000 a mile in ... city and $10,000 outside.

KENNEWICK, WASH.—The ... Rapids Ry. Co. has been incorporated ... Washington to build an electric railway ... Kennewick to Wenatchee. The com... is capitalized at $1,000,000. The offi... and incorporators are: W. R. Rust, ... M. B. Haines, Vice-Pres. and Treas.; ... H. Gue, New York Bldg., Seattle, Secy. ... K. Owens, Alaska Bldg., Seattle, is Eng... The principal office of the company will be ... Seattle. The route of the new road is ... the Columbia River Valley almost on a ... light line from Wenatchee to Kennewick. ... distance is more than 100 miles. Noted ... Aug. 8.

KLAMATH FALLS, ORE.—E. ... Murray, of Klamath Falls, advises us that ... the right-of-way for the line of the Inland Electric Ry. Co., lately incorporated, with a capital of $25,000, is being secured. Contracts will be let after this work has been completed. The line will be run from Klamath Falls to Bomaza, Yanna and Merrill.

LAKEPORT, CAL.—W. S. Fre... Secy. of the Sonoma & Lake County Ry. Co., advises us that it is the purpose of the company to construct an electric railway from Cloverdale to Lakeport, with a branch to Kelseyville. Survey has been made and right-of-way secured from Lakeport to Cloverdale, a distance of 27 miles, with a maximum grade of not over 3%. The profiles and maps are being prepared, and it is the intention to begin work on the road soon. The Lakeport Board of Trustees has given the company an exclusive franchise. A. C. Dickinson is Pres.; J. F. Fulton is Vice-Pres. and Gen. Mgr.; and D. F. McIntyre is Ch. Engr. Noted on May 9.

VALDEZ, ALASKA.—The Alaska Home Ry. Co. has been organized in Valdez to build an electric railway from that city to the Copper River district. The project is planned and managed by H. D. Reynolds, of the Reynolds-Alaska Development Co., which owns valuable mines in this section. Mr. Reynolds recently purchased the Alaska Coast Co. He plans installing a fast twice-a-week service between Seattle and Sound points, and will erect a smelter at Latouche, Alaska, with a daily capacity of 1,000 tons.

LIGHT AND POWER PLANTS.

(* *denotes that this work is advertised in Engineering News.*)

SOUTH BERWICK, ME.—The Berwick & Salmon Falls Electric Light Co. may construct a 20-mile extension to its lines. E. E. Proctor, of Wakefield, Mass., is Mgr.

PORTSMOUTH, N. H.—Bids are asked until 11 a. m., Sept. 21, by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for constructing an extension of the powerhouse at the Portsmouth navy-yard. Specifications are on file at office of Engineering News, New York.

PROVINCETOWN, MASS.—The Cape Light, Heat & Power Co. has applied to the Board of Gas and Electric Light Commissioners for permission to issue $25,000 of bonds, of which $14,000 is for the payment of the cost of extending its service to North Truro, Truro and South Truro. T. W. Crosbie is Mgr. and Supt.

FALL RIVER, MASS.—The Southern Massachusetts Telephone Co. has petitioned city for permission to place its wires underground in this city.

WALLINGFORD, CONN.—At a special meeting of the Court of Burgesses it was voted to issue bonds to the amount of $5,000 for enlarging and extending the municipal electric light plant, of which F. J. Chatfield is Ch. Engr.

SHERBURNE, N. Y.—The citizens of this village are considering the question of establishing a municipal electric lighting plant, to cost about $15,000.

*NAPANOCH, N. Y.—Bids are asked by Henry Melville, Pres. Bd. Managers, Elmira Reformatory, Elmira, until noon, Sept. 14, for furnishing and erecting all structural steel and iron work for power-house and stack, and conduits, at Eastern New York Reformatory, Napanoch, N. Y. G. L. Heins, State Arch., Albany.

LITTLE VALLEY, N. Y.—M. L. Ansell, Village Clk., states that bids will be received on Aug. 30 for improvements to the municipal electric light plant. Probable cost of work, $10,000. G. S. Boller, of Little Valley, is Ch. Engr.

NYACK, N. Y.—The Public Service Commission, Second District, has granted permission to the Rockland Light & Power Co.,

of Nyack, ...issue general mortgage 5 per cent. 30-y... sold bonds to the amount of $500,000 o... a total authorized issue of $1,000,000. ... proceeds are to be used by the compa... the equipment of its power-house, ext... of its lines and other better-ments of ... neral nature. C. D. Robinson is Gen. M...

SCHAGHTICOKE, N. Y.—The Schaghticoke Power Co... made application to the Public Service ... ission for permission to issue stock and ... operations to generate electrical po... the Hoosick River at Schaghticoke. ... company expects to generate about 2... HP.

NEW ..., N. Y.—Bids were received as follows ... Department of Public Charities on ... 22 for all materials and labor required ... the complete conduiting, electric wiring. ... all other work in connection with the insta... of a complete electric lighting and ... system for all the buildings and ... under the jurisdiction of the Departme... of Public Charities, and comprising the ... New York City Home for the Aged and Infi... Blackwell's Island, Boro. of Manhattan (Class ... Electric Co., 125 East 23d St. ... $86,470; (B) $112,320. F. G. Blanchet ... 222 East 17th St., (A), $88,697; (B) $... Thompson-Bonney Co., 45 York St., Brooklyn (A), $94,880; (B), $123,700.

MARTINSBURG, PA.—The Morrison's Cove Electric Light & Power Co. has filed articles of incorporation with a capital stock of $50,000 for the purpose of generating electricity for lighting, heating and power purposes. The incorporators are J. W. Wagner, of Barbara, Pa.; J. W. Suther, of Indiana, Pa., and others.

BALTIMORE, MD.—The Automatic Gas Lighting Co. has been incorporated with $150,000 capital stock to deal in patent devices for gas burners, etc., by Steuart S. Janney, 745 Calvert Bldg. W. Howard Hamilton, John Cooper, Jr., and others.

BALTIMORE, MD.—At the meeting of the Board of Awards on Aug. 21 specifications covering about $200,000 worth of municipal street lighting were approved. Robert J. McCuen, Supt. of Lamps and Lighting, will advertise for bids upon the following work: For supplying incandescent burner and mantle equipment for street gas lights. For supplying equipment for naphtha and gasoline lamps. For supplying illuminating gas for all street gas lamps. For supplying street signs and equipment. The department received gas last year for 73½ cts. a 1,000 cu. ft., and no change is expected in the price.

OAKLAND, MD.—The Youghiogheny Light & Power Co., of Garrett County, has been incorporated at Oakland. The company will locate a plant below Deep Creek Falls, seven miles north of Oakland, for the purpose of generating electricity for commercial uses. Company will develop water power of the Swallow Falls in Yough River, the Deep Creek Falls and the Muddy Creek Falls, and transmit it to Oakland, Mount Lake Park, Deer Park, Grantsville, Accident, Friendsville and other towns in Garrett County, to Kingwood and nearby points in West Virginia and to nearby points in Pennsylvania.

OXFORD, MD.—The Oxford Ice & Electric Co. will establish electric light plant in connection with ice plant. Cost of building and machinery will be about $25,000. Penniman & Fairley, 411 Marine Bank Bldg., Baltimore, Md., are Engrs.

HICKORY, N. C.—We are officially advised that the Water Power Electric Co. has awarded contracts as follows for proposed power development on Catawba River: GENERAL ELECTRIC CO., Schenectady, N. Y., electrical apparatus; the DAYTON GLOBE IRON WORKS CO., 7 Ludlow St., Dayton, Ohio, turbines; A. F. HART & CO., Hickory, dam construction. Contract for transmission line from river to Hickory, three miles long, will be awarded later. M. E. Thornton is Pres., Hickory. C. S. Wenger is Ch. Engr., Brownstown, Pa.

HIGH POINT, N. C.—The Carolina Valley Railway & Construction Co., Dee Allen, Pres., has purchased 300 acres of land on which to erect electric power plant. C. S. Currier is Ch. Engr., High Point.

TRYON, N. C.—Plans for the proposed power development by the Tryon Electric Light & Power Co. have been changed. A larger plant is now under consideration, and the probable cost will be $110,000.

HENDERSONVILLE, N. C.—T. C. Williams, Jr., Spartanburg, S. C., proposes to construct a lake 1,950 ft. above sea level, build dam, flooding 35 acres of land, and furnish power for electric railways, lighting plants and other industries, it is reported.

ROCKY MOUNT, N. C.—Bids are asked until Sept. 1 by W. L. Thorp, Mayor, for $135,000 of water, light and street improvement bonds.

ATLANTA, GA.—The bill authorizing water power corporations to exercise the right of eminent domain over the property of individuals was passed by the State Senate by a vote of 27 to 13.

NEW SMYRNA, FLA.—S. V. Hough, De Land, Fla., will establish electric light and power plant. Franchise has been secured.

MOBILE, ALA.—SANDERSON & PORTER, 52 William St., New York, and 323 Baronne St., New Orleans, La., are planning to erect a new power-house at Mobile, Ala., for the Mobile Light & Railroad Co., to cost $100,000.

BINGHAMTON, TENN.—James A. Omberg, Jr., Memphis, Tenn., and associates have submitted proposition to City Council of Binghamton to construct electric light plant. W. W. Pidout has been appointed Chn. of Com.

COLUMBUS, OHIO.—The People's Municipal Light & Power Co., recently incorporated with $100,000 capital, will erect a power plant, according to press reports from Columbus, near the city water supply storage dam in the Scioto River, to use the water going over the dam. An auxiliary plant, for steam or other power, will be installed for use during three months in the year when water is low and to supplement the water power at other times. A proposal is to be made to the city for the use of the water and to string wires on poles of the municipal street lighting plant. The contract will provide that current is to be furnished at a maximum rate of 5 cts. per kilowatt, with reductions according to a scale agreed upon, as the cost of production decreases. It is estimated that while current costs exchange companies over 5 cts., it may ultimately be delivered to consumers for 3 cts. The city contract will provide that every share of stock must represent actual cash invested. All stock will be in the hands of a trustee for the city, and when net earnings exceed a stipulated amount, the surplus is to be returned to consumers in reduced charges. No combination in restraint of competition, or agreement with the existing monopoly can be made. The city may purchase the plant for cost, with 6 per cent. interest added, at any time. Books are to be regularly inspected by the municipality."

DILLONVALLE, OHIO.—The County Commissioners have granted a 25-year franchise to H. T. Roe, of Dillonvale, to erect poles and wires for the transmission of electricity along the Dillonvale and Mt. Pleasant road.

BROOKVILLE, IND.—The Board of Trustees has passed an ordinance granting a 20-year franchise to the Electric Light & Ice Manufacturing Co., to operate an electric light and power plant. The directors of the company are: J. G. Hall, Charles Andrews and Parker S. Johnson, of Cincinnati, Ohio; John H. Brockman and Robert H. Cook, of Brookville. The company has purchased the electric light plant of the Brookville Elec. Co., of which C. B. Searrin, is Mgr.

CLAY CITY, IND.—The City Council is reported to be considering the question of constructing a municipal electric light plant. The Clay City Elec. Light & Power Co. has operated a plant in this city since 1895.

LOWELL, IND.—The Lowell Light & Power Co., recently organized by Clifford Wiley, of Chicago, Ill., and which purchased the electric light plant of the Lowell Elec. Light Co., is making arrangements to build an entirely new plant, work on which will begin within a short time. The equipment of the plant will consist of two 150-HP. boilers, with heaters and connections, a 125-HP. engine and a 125-KW. alternating current generator.

PAINESDALE, MICH.—The Champion Copper Co. is reported to be designing a new plant, which will be located about five miles from its first mining location. The plant will be equipped with two 2,000-KW., 13,200-volt, 60-cycle, three-phase generating units and 1,500-HP. water-tube boilers. Three sub-stations will be built, each to be equipped with three 400-KW. oil insulated self-cooled transformers. The plant will furnish electricity for Painesdale, Trimountain and Baltic. W. A. Rankin is Elec. Engr. John M. Wagner is Pur. Agt., Houghton, Mich. Arthur G. Stanwood is Vice-Pres., 27 State St., Boston.

CHANDLERVILLE, ILL.—The city has granted a 10-year franchise to an electric light company headed by F. P. Schafer.

AURORA, ILL.—The City Council is reported to have under consideration the improving of the municipal electric light plant. C. C. Hinckley is Ch. Engr.

ASHLAND, WIS.—The only bid received for the construction of the municipal electric light plant was submitted by W. E. Ule, of Stevens Point, Wis., at about $130,000. It is reported that new bids will be called for.

DAVENPORT, IOWA.—The TRI-CITY CEMENT PRODUCTS CO., 212 Lane Bldg., Davenport, has been given contract for building the power station for the Independent Power & Light Co.

SIOUX CITY, IOWA.—A. A. Smith, City Clerk, states that the contract for lighting the streets by electricity, bids for which were opened Aug. 6, has been awarded to the SIOUX CITY GAS & ELECTRIC CO., of Sioux City, for ten years at $75 per lamp for 2,000-c. p. arc, and $20 for 32-c. p. incandescent lamps.

NEW LONDON, IOWA.—The citizens are contemplating extending the municipal electric lighting system to Danville to supply the village with electricity for lighting purposes. Gilbert Johnson is Supt. and Ch. Engr.

NEWPORT, ARK.—The City Council is reported to be in favor of establishing a municipal lighting plant at this place.

HOT SPRINGS, ARK.—The City Council has granted to Atwood Benton, representing the Consumers' Electric Co., a francise for an electric light plant to be completed within a year. Probable cost, $135,000.

UNIVERSITY PLACE, NEB.—We are officially advised that bids will be received for engines, generators and switchboards for the proposed municipal electric plant. It will have a capacity of 3,500 16-c. p. incandescent lights. Baker & Early, Lincoln, Neb., are Engrs. Estimated cost, $18,000. R. E. Shelley, City Clerk, is reported to have stated that the contract for constructing an electric light plant has been awarded to BICKER & LOWELL, of University Pl., for $3,890.

TEKAMAH, NEB.—The citizens have voted to issue bonds for the construction of an electric light plant.

WOOD RIVER, NEB.—D. D. O. Kane, Village Clerk, states that the contract will probably be let in about 30 days for the construction of water-works and an electric-light plant. Noted on Aug. 15.

FARGO, N. DAK.—R. W. Clark, Mgr., has completed plans for enlarging the power plant of the Union Light, Heat & Power Co. The company will expend about $30,000 in improvements. The present stack will be torn down and a smokeless apparatus and a shorter stack substituted.

COLORADO SPRINGS, COLO.—The Colorado Mining, Land & Power Co. has been incorporated to manufacture and generate electricity and gas, operate trolley, telegraph and telephone lines, build smelters, reservoirs and construct irrigation ditches in El Paso, Grand, Garfiefld, Boulder, Mesa and Weld Counties. Incorporators: Wm. M. Hagir, John T. Carey and Alfred S. V. Carpenter, of Colorado Springs.

SPOKANE, WASH. — The Washington Water Power Co., of Spokane, will build a line into the Big Bend country and expects to deliver power by Jan. 1, 1908. The Big Bend Light & Power Co. is the name under which it will operate, with W. C. Sivyer at the head. Surveyors are out laying the pole line. Capital stock of company is $300,000. D. L. Huntington, Spokane, is Gen. Mgr.

PORT ANGELES, WASH.—Plans are being made to enlarge the municipal electric light plant and to have it operated by water instead of steam power. Bonds have been issued to the amount of $80,000 for the work. The new plant is to have a capacity of 350 HP. Specifications have not been prepared as yet. John F. Hallahan is Mgr.

TACOMA, WASH.—Contract has been given to GEO. MILTON SAVAGE, of Tacoma, at $1,750,000, for constructing municipal hydraulic power system on the Upper Nisqually River. Noted on Aug. 15.

BEND, ORE.—The city contemplates purchasing the present electric light plant, and also contemplates installing a gravity water system. H. C. Ellis is the City Recorder.

EUGENE, ORE.—Geo. N. Miller, of Eugene, states that it is proposed to construct a power plant at Swisshome, to cost between $50,000 and $100,000.

DUNSMUIR, CAL.—The Southern Pacific Railroad Co. has made application for permission to take 5,000 miners' inches of water from the Sacramento River at Dunsmuir. The company proposes to erect an electric plant at this place to furnish electricity for the operation of its railway shops. A. H. Babcock is Elec. Engr., S. P. Co., San Francisco.

LOS ANGELES, CAL.—The Los Angeles Gas & Electric Co. announces that $40,000 will be spent in new mains, especially in the southwest section. C. A. Luckenbach is Mgr. of Construction.

ALAMEDA, CAL.—The City Council has recommended an issue of $50,000 of bonds for improving the municipal electric light plant. Joseph B. Kahn is Supt.

The Los Angeles Gas & Electric Co. will build a $100,000 gas plant in Alameda. C. A. Luckenbach is Mgr. of Construction, Los Angeles.

SAN FRANCISCO, CAL.—The Board of Supervisors has passed an ordinance calling for the burying of all electric light, telegraph, telephone and street railway wires within eighteen months, under a penalty of not less than $200 or more than $500 for each day any poles, wires, cables or apparatus remain overhead after that time.

PHOENIX, ARIZ.—The Secretary of the Interior has awarded to the CALIFORNIA ELECTRIC CO., of Los Angeles, Cal., contract for furnishing 4,500 insulators for the proposed transmission lines, Salt River irrigation project, Ariz., for the sum of $12,063, f. o. b. cars, East Liverpool, Ohio. The prices quoted will remain open for a total of 7,500 insulators in case order for the additional 3,000 is placed within three years. Only one circuit will be completed at present.

ST. THOMAS, ONT.—The Ontario RaHway and Municipal Board has approved the by-law providing for the issuance of $7,000 of bonds for the extension of city gas and electric light systems. J. J. Roberts, Ch. Engr.

*WINNIPEG, MAN.—Bids are asked until noon, Oct. 1, by the Chairman of the Board of Control, Winnipeg, for construction of general works and supply of equipment for the hydro-electric station at Point du Bois. Details may be seen in the advertisement. M. Peterson is Secy.

BRIDGES.

*SPRINGFIELD, MASS.—Bids are asked until noon, Sept. 3, for the construction of the superstructure only for a steel bridge over the B. & M. R. R. on line of Abbe Ave. Also for the complete construction of a concrete steel structure over Mill River on line of Pecousic Ave. Charles M. Slocum, City Engr.

GREENFIELD, MASS.—Bids are asked by the Board of Selectmen, E. B. Blake, Chn., until Aug. 31 for construction of reinforced concrete highway bridge, with 25-ft. span and 20-ft. roadway, over Hinsdale Brook on Green River Road. Clapp & Abercromble Co., 99 Main St., Greenfield, are Engrs.

HEMPSTEAD, L. I., N. Y.—Bids were received by the Department of Water Supply, Gas and Electricity, New York, on Aug. 21, as follows for furnishing, delivering and constructing piers for two bridges over the Wantagh stream, and to do certain grading of Seaman's Road, in the town of Hempstead: Russell Contracting Co., 146 Fifth Ave., $10,210; Shawmut Construction Co., 5 East 58th St., $8,575; Abbott-Gamble Co., 32 Broadway, $8,975.

LONG ISLAND CITY, L. I., N. Y.—Bids are asked by J. W. Stevenson, Comr. of Bridges, until Sept. 5, for construction of steel and masonry approach in Boro. of Queens, of the Blackwell's Island Bridge over East River, between the Boroughs of Manhattan and Queens.

ROCHESTER, N. Y.—WHITMORE, RANBER & VICINUS have been awarded contract for building concrete bridge at Falls St. Edwin A. Fisher is City Engr.

LE ROY, N. Y.—The Town Board has been authorized to issue bonds, amounting to $20,000, for constructing bridge across Oatka Creek.

COHOES, N. Y.—The Legislature has authorized the city to issue bonds, amounting to $28,000, for constructing bridge, with piers and abutments, across first branch of Mohawk River. John Archibold is Mayor.

LAUREL SPRINGS N. J.—Bids are asked until Sept. 9 by the Board of Freeholders at Camden. Geo. W. Whyte, Chn., for constructing iron truss bridge, 64 ft. long, over Laurel Lake at Laurel Springs. J. J. Albertson is County Engr.

SMITH'S LANDING, N. J.—Bids are asked by the Bridge Commission, Frank Enderlin, Chn., of the County Board of Chosen Freeholders, until 11.30 a. m., Sept. 4, at the County Asylum, Smith's Landing, for constructing two highway bridges.

MT. UNION, PA.—The contract for constructing superstructure for bridge across Juniata River has been awarded to ANDREW BUCHANAN, of Chambersburg, for $17,000.

SPRING CITY, PA.—The Montgomery & Chester Electric Ry. Co. will construct bridge across tracks of the Pickering Valley R. R. at Ironsides.

*PHILADELPHIA, PA.—Bids are asked by the Department of Public Works, George R. Stearns, Dir., until noon, Sept. 11, for Schedules A, B, C, D and E. Schedule A is for bridges, as follows: Belmont and Girard Aves., bridge over Pennsylvania R. R.—steel girder bridge encased in concrete, 410 ft. long, 126 ft. wide; appropriation, $65,000 by city, $20,000 by railroad company. Columbia Ave., bridge over Connecting railway—steel girder bridge encased in concrete, 136 ft. long, 56 ft. wide; appropriation, $17,500 by city, $35,000 by railroad company. Boulevard, bridge over P. R. N. and N. Y. R. R.—reinforced concrete arch bridge, span 65 ft., width 100 ft.; appropriation, $45,000. Boulevard, bridge over Tacony Creek and Ashdale St.—concrete arch bridge, three spans, 80 ft. 2 ins. each, width 100 ft.; appropriation, $100,000. Schedules B, C, D and E are for sewers, etc. See under Sewerage. George S. Webster is Ch. Engr.

WASHINGTON, D. C.—The District Commissioners have awarded contract for construction of bridge over the Baltimore & Ohio R. R. tracks, at Monroe St., extended, to C. B. CLARK & CO., 10 East Lexington St., Baltimore, Md., at $32,400.

GAFFNEY, S. C.—The County Commissioners will construct steel bridge across Broad River at Stacey's Ferry. The bridge will consist of two 165-ft. spans, 26-ft. steel piers, and will be 16 ft. wide. E. F. Lipscomb is County Superv.

NATCHEZ, MISS.—Bids are asked by James S. Fleming, Pres., until Sept. 3, for construction of two modern steel bridges, one over Second Creek at the Old Jersey Ford and the other over Meabin's Creek at the Washington and Palestine Road.

CAMPBELLSVILLE, MISS.—Bids are asked by the County Commissioner, S. S. Griffin, Clk., until Sept. 2, for constructing bridges.

GREENVILLE, MISS.—Bids are asked by the Board of County Supervisors, T. H. Hood, Clk., until noon, Sept. 2, for constructing bridge across Tupper Bayou.

YOUNGSTOWN, OHIO.—The County Commissioners have awarded contracts to the CAPITOL CONSTRUCTION CO., of Columbus, Ohio, for reflooring Lowellville Bridge, constructing bridge across Beaver Creek and bridge in North Benton.

CINCINNATI, OHIO.—The following bids were received, Aug. 16, for reconstructing Liberty St. Viaduct: Strobel Steel Construction Co., Monadnock Blk., Chicago, Ill., $173,000, and T. J. Brackett, $175,000. Appropriation available, $139,000.

ASHTABULA, OHIO.—Bids are asked until Sept. 2 for construction of reinforced concrete bridge at the State Road. P. C. Remick is County Clerk.

LORAIN, OHIO.—Bids are asked by the Board of County Commissioners, Charles Chandler, Clk., until 1 p. m., Sept. 13, for constructing bridges, etc.

NEWARK, OHIO.—Bids are asked by the County Commissioners until Sept. 3 for constructing four steel bridges. J. L. Gilpatrick is County Audr.

Bids are asked by the County Commissioners until Sept. 23 for constructing 105-ft. span riveted steel truss bridge.

INDIANAPOLIS, IND.—The County Commissioners have ordered surveys and plans for construction of two concrete arch bridges over Fall Creek, one at Delavan St. and other at Capitol Ave.

CHESTERFIELD, IND.—The Indiana Union Traction Co. has ordered surveys for construction of a steel bridge over White River west of Chesterfield.

SANTA FE, IND.—The County Commissioners have awarded contract for constructing concrete bridge to NATIONAL BRIDGE CO., of Indianapolis, Ind., for $4,825. The bridge will include two 70-ft. arches.

RICHMOND, IND.—Tentative plans have been agreed upon by the Board of County Commissioners for constructing bridge across gorge of the Whitewater River. The bridge will be 106 ft. above water-line, and total length, including approaches, 900 ft.

CHICAGO, ILL.—John J. Hanberg, Comr. Pub. Wks., has awarded contracts for constructing bridge over branch of Chicago River, at Sound Ashland Ave., as follows: KING BRIDGE CO., Cleveland, Ohio, constructing superstructure, at $29,500, and FITZSIMONS & CORNELL CO., superstructure, for $50,000.

DUNBAR, NEB.—Bids are asked by the Board of County Commissioners until noon, Sept. 13, for constructing 50-ft. steel bridge near Dunbar.

RENO, NEV.—The contract for constructing two bridges across Truckee River at Reno has been awarded to S. LUND, of Carson City, at about $9,000.

FARGO, N. DAK.—Bids are asked by Arthur G. Lewis, County Audr., until noon, Sept. 3, for constructing two bridges.

CLANCY, MONT.—A. Y. BAYNE & CO., of Minneapolis, Minn., have been awarded contract for constructing bridge across Prickly Pear Creek.

BYNUM, MONT.—Bids are asked by the Board of County Commissioners, A. C. Warner, Clk., until 10 a. m., Sept. 4, for constructing bridge, etc.

WARRENSBURG, MO.—Bids are asked by David Mohler, County Bridge and Road Comr., until Sept. 4, for constructing various steel bridges.

ALBANY, MO.—Bids are asked by W. A. Henton, County Surv., until Sept. 3, for construction of 180-ft. steel bridge on old piers, 162-ft. span on tubes, 80-ft. approach, two 20-ft. I-beam spans and one 24-ft. I-beam span, all to be steel, except floor.

POCAHONTAS, ARK.—The St. Louis & San Francisco R. R. Co. contemplates constructing steel bridge across Black River at Pocahontas. J. F. Hinckley, St. Louis, Mo., is Ch. Engr.

CHANDLER, OKLA.—Bids are asked until Sept. 2 by the Board of County Commissioners, J. E. Rea, Clk., for furnishing material and constructing four steel bridges.

HOQUIAM, WASH.—R. C. TURNER has secured contract for clearing and bridging A. P. Stockwell road at Humptulips River.

BROWNSVILLE, WASH.—L. H. GOERIG, Seattle, has been awarded contract for constructing bridge across Brown's Bay at Brownsville.

ECHO, ORE.—The County Court contemplates constructing steel span bridge across Umatilla River at Echo. Estimated cost, $10,000.

FARMINGTON, CAL.—Bids are asked by Eugene D. Graham, Clk. Bd. Superv., at Stockton, until Sept. 3, for construction of 2-span steel bridge over Oregon slough, at Farmington.

REDWOOD CITY, CAL.—Bids are asked by the Board of Supervisors, James H. Nash, Clk., until 10 a. m., Sept. 2, for constructing reinforced concrete culvert. J. V. Newman is County Surv.

OAKLAND, CAL.—Bids are asked by John P. Cook, Clk. Bd. Supervs., until 10 a. m., Sept. 3, for constructing steel and concrete bridge across Little Mission Creek at Mission Road, Washington Township.

PETALUMA, CAL.—The Board of Supervisors has let contract for constructing bridge across Lambert Creek to W. L. CALL, at $6,218.

SAN JOSE, CAL.—Bids are asked by the Board of Supervisors, F. E. Mitchell, Chn., until 11 a. m., Sept. 3, for constructing concrete bridge across Wildcat Creek at Fruitvale Ave.

WEISER, IDAHO.—The County Commissioners contemplate constructing two wagon bridges across Beaver Creek.

OTTAWA, ONT.—Bids are asked by P. E. Ryan, Secy. Transcontinental Ry. Commission, until Sept. 5, for constructing superstructure and floor systems for bridges. The following points in District B, west of Quebec: Grand Bras d'Arme; Lachevrotiere River; Nigerette; Tawachiche River; Roberge Creek; River des Eaux Mortes; Viaduct of River du Milieu; Brochet River, 1st; Brochet River, 2d; Brochet River, 3d; Brochet River, 4th; Brochet River, 5th; Creek a Beauce; Overhead Crossing, Quebec and Lake St. John Ry.; Little Bostonnais; Big Bostonnais; Croche River; River au Lait; and St. Maurice River.

DUNREA, MAN.—Bids are asked until noon, Oct. 15, for constructing steel highway bridge across Souris River.

BUILDINGS.

(denotes that this work is advertised in Engineering News.)*

STAMFORD, CONN.—Tracy & Swartout, 244 Fifth Ave., New York, have completed plans for the Y. M. C. A. building at Stamford. $100,000. Dr. Samuel Pearson is a member of the committee.

HARTFORD, CONN.—Benj. W. Morris, Arch., 345 Fifth Ave., New York, is preparing plans for the Morgan Art Building, at Hartford. CHARLES T. WILLS, 156 Fifth Ave., New York, has contract.

NORWICH, CONN.—The House has passed favorably on a bill for new buildings at the Norwich Hospital for the Insane. Appropriation is $300,000.

ALBANY, N. Y.—Rt. Rev. T. M. A. Burke, Catholic Bishop of Albany, has announced that contracts have been awarded for the erection of a new convent home at the corner of Elm and Hawk Sts., Albany, for the Sisters of St. Josepph. It will be equipped with all modern improvements. FEENEY & SHEEHAN, Albany, have contract for carpenter work; CASSIDY & GALLAGHER, Albany, mason work; JOSEPH P. MAGUIRE, Albany, plumbing and heating. It is expected the building will be completed by next spring. The work of clearing the site will be begun at once. Bishop Burke has also announced that in the near future a maternity hospital would be erected under his direction.

Dr. Andrew S. Draper, State Comr. of Education, Capitol, Albany, has awarded to A. E. STEPHENS & CO., of Binghamton, N. Y., the contract for the construction of the new State Normal College at Albany, in accordance with its bid, reduced to $354,442. The orginal bid was $358,692. List of bids was given last week.

AUBURN, N. Y.—H. Van Buren Magonigle, Arch., 7 West 38th St., New York, is preparing plans for a 3-story high and grammar school building for the board of education, Auburn. Estimated cost, $125,000.

SYRACUSE, N. Y.—Archimedes Russell, Arch., Snow Bldg., City, is preparing plans to remodel the old court-house for the city of Syracuse. $200,000.

Russell & King, Snow Bldg., City, have been selected as architects for the new women's pavilion at the County Home, to accommodate 200 women. The plans will have the be approved by the Board of Supervisors of Onondaga County before they are accepted.

SYRACUSE, N. Y.—Syracuse University has borrowed $400,000, it is reported, with which to complete work on the new gymnasium and other work that has been started. Bids on the gymnasium work will soon be asked for.

JAMAICA, L. I., N. Y.—Wm. A. Swasey, Arch., 40 West 33d St., New York, will prepare plans for a 6-story hotel and theater, at Jamaica, for the Jamaica & Long Island Realty Co. Probable cost, $250,000.

PLEASANTVILLE, N. Y.—Jacobs & Heidelberg, Archs., 320 Fifth Ave., New York, are preparing plans for a group of buildings, at Pleasantville, for the Hebrew Sheltering Guardian Society, New York city. Cost will be between $200,000 and $500,000.

POUGHKEEPSIE, N. Y.—Bids are being taken by Percival M. Lloyd, Arch., 39 Market St., on an 8-story fireproof apartment house to be known as Scott's Chambers.

NEW YORK, N. Y.—Bids are asked until 2 p. m., Sept. 5, by Henry S. Thompson, Comr. Pub. Works, for all labor and materials required for the alteration of the interior finish of the Governor's rooms in the City Hall, Boro. of Manhattan.

WAKEHAM & MILLER, 1133 Broadway, are general contractors for the new church to be erected for St. Paul's Roman Catholic parish, 116 East 18th St., to cost $160,000. Neville & Bagge, 217 West 125th St., are the Archs.

Bids are asked until 3 p. m., Sept. 3, by C. B. J. Snyder, Supt. School Bldgs., Board of Education, for completing and finishing the heating and ventilating apparatus in new public schools 109 and 151, Boro. of Brooklyn, in accordance with the original plans and specifications of contracts awarded to the Rossman & Bracken Co. which has been declared abandoned.

H. H. Morrison, Arch., Westchester Ave. and Southern Boulevard, is receiving estimates for 22 3-sty dwellings, 20 × 55 ft., on the west side of Faile St., near Aldus St., for the American Real Estate Co., 527 Fifth Ave., it is stated. Estimated cost, $220,000.

General contract has been awarded to the M. C. ROSENBAUM CO., general contractors, 1511 Third Ave., for the construction of a modern loft building at 35, 37 and 39 West 33d St., for the Eldean Realty & Construction Co., 59 William St. Oscar Lowinson, 18 East 42d St., is Arch.

Bids are asked by Moses Herrman, Pres. Dept. of Parks, until 3 p. m., Aug. 29, for addition F to the Metropolitan Museum of Art, Fifth Ave. and 82d St. It will be three stys high, brick and stone, fireproof, marble and tile work; architectural and structural iron and steel work, etc. Estimated cost, $450,000. Noted on Aug. 15.

NEW YORK, N. Y.—Herbert R. Brewster, 116 Nassau St., Arch., has let general contract to CRAMP & CO., 36 East 23d St., for a brick theater, 93 × 113 ft., at Flatbush Ave. and State St., Boro. of Brooklyn, for the Empire Circuit Co. Cost, about $160,000.

Wm. J. Dilthey, Arch., 1 Union Sq., has let steam heating contract to the STEHLIN-MILLER CO., 59th St. and Madison Ave., for a 15-sty brick and stone mercantile building, 50 × 100 ft. at 123 and 125 Mercer St., for C. B. Rouss, 549 Broadway. Estimated cost, $300,000.

F. Kellogg, Arch., 104 East 16th St., has awarded the general contract to GEORGE VASSARS SONS & CO., 1170 Broadway, for a 5-story brick loft building, at 9-15 Murray St., for the American News Co., of 39 Chambers St. Cost, approximately, $150,000.

NEW YORK, N. Y.—Bids are asked until 11 a. m., Sept. 11, by Bird S. Coler, Pres. Boro. of Brooklyn, to prepare certain rooms on the first floor of the Municipal Building, Boro. of Brooklyn, for occupancy by the Coroners and the Registrar of Water Rates, Boro. of Brooklyn.

TRENTON, N. J.—Bids were received Aug. 27 at the office of James Knox Taylor, Superv. Arch. of the Treasury, Washington, D. C., for construction of an extension to the post-office building at Trenton, N. J., as follows: Conners Bros. & Co., Lowell, Mass., $133,400; Fissell & Wagner, St. James Bldg., New York, $142,500; William Johnston, Trenton, N. J., $110,500; time to complete, Nov. 30, 1909.

NEWARK, N. J.—P. Charles, Arch., 612 Union Bldg., City, is receiving estimates on a 12-story office building, 108 × 119 ft., to be erected at Clinton and Beaver Sts., for the Union Building Co., Union Bldg. Estimated cost, $400,000.

ATLANTIC CITY, N. J.—Newlin Haines, proprietor of the St. Charles Hotel, may erect a hotel on Connecticut Ave. and the Boardwalk to cost about $3,000,000.

JENKINTOWN, PA.—Horace Trumbauer, Arch., Land Title Bldg., Philadelphia, will prepare plans for a 3-story, stone and steel, fireproof residence, at Jenkintown, for John Wanamaker.

HARRISBURG, PA.—The Graupner Brewing Co. has had plans prepared and is ready for bids on an 8-story hotel, 55 × 125 ft., at Fifth and Market Sts. Brick and steel, fireproof. Estimated cost, $100,000.

*PHILADELPHIA, PA.—Stearns & Castor, Archs., Stephen Girard Bldg., have plans for a 3-story brick and stone school and institution for the Hebrew Educational Society of Philadelphia.

PITTSBURG, PA.—Palmer & Hornbostel, Archs., 63 William St., New York, have completed plans and will take bids for a 3-story soldiers' memorial building, to contain auditorium, banquet hall, etc., 150 × 150 ft., for the Board of Commissioners of Allegheny County. It will be constructed of limestone, sandstone or granite; fireproof; marble and tile work; structural iron and steel work. Probable cost, $1,000,000.

The Jones & Laughlin Steel Co. will erect an 8-story brick and steel office building, covering a block on Ross St., between Second and Third Aves. Cost, $375,000.

PITTSBURG, PA.—The Schenley Farms Co., 4203 Fifth Ave., City, has awarded the general contract to the HYDE-MURPHY CO., Ridgeway Ave., for five 2½-story brick residences, at Schenley Farms. Total cost, $125,000.

D. H. Burnham & Co., Arch., 15 Jackson Boulevard, Chicago, will award contracts at once for a large office building to be erected at Pittsburg for the Oliver Estate. It will be a 24-story building covering an area 120 × 212 ft., of fireproof construction and provided with the latest improvements. Estimated cost, $2,500,000.

FARNHURST, DEL.—A building will be erected at Farnhurst for the Delaware State Insane Asylum, which will cost $200,000. The building will be two stories high, with attic and improved basement, and will occupy a lot measuring 142 × 100 ft. It will be constructed of brick and stone. All partition walls will be of brick and will be soundproof. The first floor will be divided into women's and men's living rooms, baths and cells. The second floor will be divided into four large dormitory wards, and the basement will have a gymnasium, smoking rooms and the power plant.

BALTIMORE, MD.—Revised plans have been prepared by Louis Levi, Arch., American Bldg., City, for the proposed Frank Memorial Hospital to be erected at Monument St. and Hopkins Ave., at a cost of about $80,000.

McIVER & PIEL, contractors, 2315 Edmondson Ave., have secured permit to erect 50 2-story dwellings on Edmondson Ave., between Second and Fourth Aves., to cost about $100,000.

WASHINGTON, D. C.—Albert Kelsey and Paul P. Cret, Archs., 1524 Chestnut St., Philadelphia, Pa., are preparing plans for the Peace Memorial Building, at 17th St. and Virginia Ave., for the Bureau of American Republics. It will cost over $500,000.

*WASHINGTON, D. C.—Bids are asked until noon, Aug. 31, for marble floors, partitions, etc., required for the public toilet rooms in the House of Representatives office building. Elliott Woods, Supt. U. S. Capitol Bldg. and Grounds.

ATLANTA, GA.—Plans and specifications are being completed for erection of proposed post-office and court-house, for which $1,000,000 has been appropriated. Structure will be built either of granite or Georgia marble, with interior trimmings of marble. Bids will soon be received. James Knox Taylor, Treasury Department, Washington, D. C., Supervis. Arch.

The Senate has passed the bill authorizing the City Council of Atlanta to issue $500,000 bonds to erect a city-hall.

PENSACOLA, FLA.—The First Methodist Episcopal congregation has accepted plans and specifications by Badgley & Nicklas, Archs., 6110 Euclid Ave., Cleveland, Ohio, for proposed church. Bids will be taken in about 30 days.

CULLMAN, ALA.—Plans submitted by Fred. Gordon Shaw, of Meridian, Miss., have been accepted for the buildings which are to be erected near here by the Alabama Odd Fellows as a Home for Widows and Orphans. The buildings to be erected include a 3-story administration building, school, chapel infirmary and a number of cottages. The total estimated cost is $200,000. The administration building is to be erected at once under the supervision of the architect, it is reported.

MONTGOMERY, ALA.—The WELLS BROS. CO., 160 Fifth Ave., New York, has been given the contract for building 12-story office building for N. J. Bell, of this city. Estimated cost, $400,000. Ausfeld & Blount, Jackson Bldg., Montgomery, are Archs. Noted on Aug. 15.

LEESVILLE, LA.—The Police Jury of Vernon Parish has appropriated $100,000 for erection of court-house. C. H. Page, Arch., Austin, Tex., will prepare plans and specifications for a stone and brick structure, consisting of three stories and dome.

NEW ORLEANS, LA.—Tulane University has authorized Andry & Bendernagle, Archs., 211 Camp St., City, to prepare plans and specifications for erection of the Richardson Memorial Building, which is to cost about $150,000. The same architects will prepare plans and specifications for enlargement of chemical building, to cost $50,000. This building will be known as the Richardson-Tulane Chemical Institute.

DeBuys, Churchill & Labouisse, Archs., Hibernia Bldg., City, will prepare plans and specifications for erection of the Richardson Memorial Dormitory, to be constructed with a view of future enlargement. Total cost will be about $200,000. Joseph A. Hincks is Secy.

CINCINNATI, OHIO.—Samuel Hannaford & Sons, Archs., Hulbert Bldg., City, have let general contract to L. P. HAZEN & CO., Reading Road, City, for one 2-story brick ward building, 37 × 125 ft.; one 2-sty brick and stone isolation building, 34 × 75 ft., and one 3-story and basement brick administration building, 127 × 51 ft., for the Board of Public Service. M. J. Keefe, Clk. Cost, $100,000, $25,000 and $100,000, respectively.

Garber & Woodward, Archs., Neave Bldg., City, are preparing plans for a 2-story and basement school building, at Westwood, for the Board of Education, which will ask for bids soon. Estimated cost, $160,000.

CLEVELAND, OHIO.—Albert E. Skeel, Arch., Rose Bldg., City, has completed plans for a hospital building for contagious diseases for the Board of Public Service. W. J. Springborn, Pres.; A. R. Callow, Secy. Cost, about $400,000.

J. Milton Dyer and F. G. Bates., Archs., Cuyahoga Bldg., have let general contract to ANDREW DALL & SON, 403 Lennon Bldg., for an 8-story bank building for the First National Bank, John Sherwin, Pres. Cost, $300,000.

COLUMBUS, OHIO.—Richards, McCarty & Bulford, The Ruggery, have revised plans and will let contracts about Oct. 1 for a 5-story department store, 101 × 187 ft., at High and Town Sts., for F. & R. Lazarus Co., on premises. Press brick and concrete blocks will be used in construction, with galvanized iron cornice, plate and prism glass, marble, mosaic and tile work, metal lath, mineral wool, hard plaster, reinforced concrete, composition roof, structural iron work, terra cotta, coal chutes, fireproof windows, furnace heat, plumbing, rolling partitions and shutters, screens, vault doors and ventilators. Cost, $250,000.

DAYTON, OHIO.—S. I. [illegible] Callahan Bldg., will comp[illegible] Arch. plans about Oct. 15 for a manual trainin[illegible] ool building on East Fifth St., for the s[illegible] board. Cost $125,000.

W. E. Russ, Arch., has le[illegible] son contract to the KEPPELE HALL CO. [illegible] a memorial hall for the Montgomery [illegible] y Memorial Hall Committee. Cost, $15[illegible]

The People's Ry. Co. will [illegible] plans made for three buildings, to be e[illegible] on Bolet der Ave. They will consi[illegible] one power house, one repair car barn [illegible] ng and ice office building, which are [illegible] two and three stories high, built of [illegible] k and ext stone, with concrete founda[illegible] Estimated cost, $300,000. Geo. C. Tow[illegible] Gen. Mgr. Dayton.

JACKSONVILLE, IND.—T[illegible] the Woman's College, in th[illegible] trustees of ask for bids for the erection [illegible] will soon ing. Estimated cost, $100,00[illegible] lege build-

LA FAYETTE, IND.—The [illegible] surance Co. will erect an offi[illegible] Fayette In- to cost $100,000. [illegible]ding here

TERRE HAUTE, IND.—J. [illegible] Alexander & Son, Archs., La Fayette, have [illegible] n the gen- eral contract to AUGUST OHL[illegible] rre Haute, for a 2-story library buildi[illegible] r the In- diana State Normal School. [illegible] Cost, $100,000.

INDIANAPOLIS, IND. — [illegible] Brown, Chn. Building Committee, [illegible] nces that bids will be received until [illegible] 1, for the construction of a new Y. M. C. [illegible] building on North Pennsylvania St. [illegible] cost, $100,000.

ANN ARBOR, MICH.—Donal[illegible] & Meier, Archs., Detroit, have prepared [illegible] ans for a 2-story association building, for [illegible] Alumni Association of the University [illegible] Michigan, Jas. H. Wade is Secy., Board [illegible] Regents, Ann Arbor. Cost, $150,000.

DECATUR, ILL.—Bids were received as follows Aug. 20, at the office of the Supervising Architect of the Treasury, Washington, D. C., for the construction of a post-office building at Decatur, Ill.: Moore & Bauzer, Kokomo, Ind., $104,925; Ed. Henry, Tipton, Ind., $96,000; V. Jobst & Sons, Peoria, Ill., $84,593, 18 months; W. J. Turner Co., Chicago, $86,714; F. H. Menke Stone & Lime Co., Quincy, Ill., $94,542; Northern Construction Co., Milwaukee, Wis., $101,523; W. J. McAlpine, Dixon, Ill., $88,346; General Construction Co., Milwaukee, Wis., $95,455, 20 months; Charles W. Gindele Co., Chicago, Ill., $90,500; Gratz B. Strickler, Washington, D. C., $94,920. Time of completion, Aug. 31, 1909, unless otherwise stated.

CHICAGO, ILL.—Holabird & Roche, Archs., 100 Jackson Boulevard, are preparing plans and will be ready for figures Sept. 1 for the City Hall building, at Randolph, La Salle and Washington Sts. It will be eleven stories high. Estimated cost, $1,500,000. J. J. Badenoch is Chn. of Com.

ELGIN, ILL.—V. H. Podstata, of Elgin, Supt. Illinois Hospital, states that it is proposed to expend about $125,000 in improvements, to include the erection of three new cottages and improvements to ventilating and heating system. W. Carbys Zimmerman, Arch., Steinway Hall, Chicago, Ill., has prepared plans for same.

NORTH CHICAGO, ILL.—Bids were received Aug. 26 at the Bureau of Navigation, Navy Dept., Washington, D. C., for the construction of officers' quarters at the new Naval Training Station, Great Lakes, North Chicago, Ill., J. C. Orell & Co., Marquette Bldg., Chicago, Ill., $38,000; James Corse, Racine, Wis., $54,264. No bids were received for filling in at the naval station in response to advertisement.

*EAU CLAIRE, WIS.—Bids are asked until 3 p. m., Oct. 1, by James Knox Taylor, Supervising Arch., Treasury Dept., Washington, D. C., for construction (including plumbing, gas-piping, heating apparatus, electric conduits and wiring) of the U. S. court-house and post-office at Eau Claire.

LA CROSSE, WIS.—Van Ryn & De Gelleke, Archs., 211 Grand Ave., Milwaukee, are preparing plans and will receive bids after Oct. 1 for a 3-story State Normal School building at La Crosse, for the State Board of Education, Madison. Estimated cost, $200,000.

MILWAUKEE, WIS.—H. Messmer & Son, Archs., 473 East Water St., are preparing plans for additions to the Randolph Hotel.

JANESVILLE, WIS.—The Boub Brewing Co. has commissioned Hager & Hilton, of Janesville, to prepare plans for a 40-room hotel.

MADISON, WIS.—Arthur Peabody, State Arch., is preparing plans for a 4-story ladies' dormitory for the State University, which will cost about $100,000.

SUPERIOR, WIS.—Keith Bros., Archs., 917 Hennepin Ave., Minneapolis, have prepared plans for an apartment house to be erected for J. M. Szarkowski at John Ave. and Twelfth St. J. STORMOVSKI, of Milwaukee, is the contractor. Cost, $100,000.

BURLINGTON, IOWA.—Temple, Burrows & McLane, Archs., McManus Bldg., Davenport, Iowa, have prepared plans for the new high school building at Burlington to cost about $130,000.

CROOKSTON, MINN. — The Supervising Architect of the Treasury, Washington, D. C., has rejected all bids recently received for the construction of a post-office building at Crookston, Minn., as being in excess of the amount appropriated.

CAPE GIRARDEAU, MO.—Widmann & Walsh, Archs., Wainwright Bldg., St. Louis, have prepared plans for a 4-story addition to brewery building, at Cape Girardeau, for Max Koeck, Mgr. Brick, stone and reinforced concrete. Cost, $100,000.

ST. JOSEPH, MO.—The SEMPEN-BRECK CONSTRUCTION CO., St. Louis, Mo., is reported to have contract to erect hotel in St. Joseph for Isele Bros., of Memphis, Tenn. Structure will be nine stories high, of steel construction, fireproof, and cost about $425,000.

KANSAS CITY, MO.—Louis G. Curtis, Arch., 1114 Gee St., has prepared plans for a 12-... brick, stone and reinforced concrete h... at Twelfth and Baltimore Sts., for the ... Hotel Co. It will cost approximately ...000,000.

Louis G. ...rtis, Arch., is receiving bids on a 5-sto... office building, 90 × 100 ft., at 1022 McG... for D. J. & A. J. Dean and H. R. E... Cost, about $200,000.

Howe, ... & Cutler, Archs., 313 East Tenth St., ... prepared preliminary plans and will ... bids for a 5-story brick and stone bu... and office building, 70 × 115 ft., at T... nd McGee Sts., for Dr. W. E. Minor. ... be of reinforced concrete or steel co... tion.

The St... of St. Joseph, care T. F. Houlehan, 30... England Bldg., contemplate erecting ... k and stone convent and academy in ... Rockhill District to cost about $225,000.

ST. L... MO.—A. B. Groves, Arch., Stock Ex... ge Bldg., is completing plans for a 12-... ory brick, steel and terra cotta hotel 10... 100 ft. at Ninth and Pine Sts., for Jas. ... McTague. Cost, $400,000. WILLIAM SUTHERLAND & CO., Victoria Bldg., will have ... general contract.

W. W. Cundy, 5058 Washington Ave., will erect a ... sty mercantile building at cost of $100,000. G. W. Hellmuth, Equitable Bldg., is Arch.

Brother Adrian, Arch., Easton Ave. and Kingshighway Boulevard, is preparing plans for a church, 151 × 225 ft., at Merrimac and Compton Ave., for St. Anthony's congregation, Rev. T. Magnien, pastor, 3140 Merrimac Ave. Cost, $250,000.

E. C. Janssen, Arch., Chemical Bldg., is receiving figures on an 8-story mercantile building, 27 × 175 ft., on Twelfth St., between Locust and St. Charles Sts., for Louis Friedman, 510 North Sixth St. Cost, $140,000.

SAN ANTONIO, TEX.—Henry T. Phelps, Arch., Hicks Bldg., is preparing plans for a $150,000 building to be erected by the Woods National Bank Co. Noted on Aug. 8.

DALLAS, TEX.—The Agricultural and Mechanical College is considering plans and specifications for its proposed new buildings, including $50,000 boys' dormitory and $60,000 veterinary hospital, natatorium and engineering hospital. H. H. Harrington is Pres.

SUPPLY, OKLA.—See Sewerage.

PULLMAN, WASH. — Bids are asked by State Board of Control, Olympia, until 2 p. m., Sept. 16, for the construction of a library and assembly hall building and heating for same for the State College, at Pullman. Plans, etc., at office of John K. Dow, Arch., Spokane; and at office of E. A. Bryan, State College, Pullman.

VANCOUVER, B. C.—SMITH & SHERBOURNE, of this city, have been awarded the contract for the erection of an 8-story warehouse building on Cordova St. for David Spencer, Ltd. Cost, $120,000.

OTTAWA, ONT.—Plans for the new central station at Ottawa, to be built by the Grand Trunk, have been approved by the Federal Cabinet. They include an office building ten stories high. Work will be begun at once. The cost of the structure is estimated at $1,500,000, or possibly $2,000,000. The Grand Trunk is also prepared to build a hotel near the station, to cost $1,000,000. Plans have been submitted to the government for a hotel building in Major Hill Park. Noted last week.

CALGARY, ALTA.—The council has awarded a contract for the construction of the new City Hall to the ALBERTA BUILDING CO., Calgary, at $142,124.

WATER SUPPLY—IRRIGATION.

(denotes that this work is advertised in Engineering News.)*

SPRINGFIELD, MASS.—We are officially advised that the following bids have been received by the Board of Water Commissioners for constructing intake dam and tunnel, in connection with Little River Water Supply: CULGIN-PACE CONTRACTING CO., 1761 Carter Ave., New York, $269,870 (awarded contract); Bruno & Pettitte, 23 Court St., Boston, Mass., $283,640; New York Continental Jewell Filtration Co., 15 Broad St., New York, $285,160; Patrick McGovern, Boston, Mass., $194,770; Hugh Nawn Contracting Co., 13 Avon St., Boston, Mass., $295,475; T. A. Gillespie Co., 90 West St., New York, $296,060; H. E. Heningham, Thomas A. Clark and Ellis H. Baillie, New York, $307,789; Jules Breuchard Construction Co., Yonkers, N. Y., $338,285; MacArthur Bros. Co., 11 Pine St., New York, $341,120; Daniel O'Connell & Sons, Holyoke, Mass., $355,990, and Winston & Co., Katonah, N. Y., $356,000. Itemized bids will be given next week under Contract Prices. Elbert E. Lochridge is Ch. Engr., Allen Hazen, 220 Broadway, New York, is Consult. Engr.

PITTSFIELD, MASS.—The Board of Water Commissioners has awarded contract to the AMBURSEN HYDRAULIC CONSTRUCTION CO., 176 Federal St., Boston, Mass., for constructing reservoir dam at Ashley Brook to create additional water supply. The dam is on gravel foundation, the general dimensions being 32 ft. in height by 465 ft. long. Arthur B. Farnham is City Engr.

PEEKSKILL, N. Y.—The Legislature has authorized the city to construct, control and operate a complete water supply system. The work will be under the supervision of the Board of Water Commissioners. Estimated cost, $200,000.

CAZENOVIA, N. Y.—Bids are asked by the Board of Water Commissioners, W. L. Doremus, Clk., until 3 p. m., Sept. 4, for furnishing and laying water mains, etc.

NEW YORK, N. Y.—The Board of Water Supply, Thomas Hassett, Secy., has awarded contract for constructing main dams for Ashokan reservoir near Brown's Station, in the Town of Olive and Marbletown, Ulster County, to the MACARTHUR BROS.-WINSTON CO., 11 Pine St., New York, for $12,-929,775. The following bids were also received Aug. 6: Bradley Construction Co., 329 West 68th St., $13,931,250; John Pierce Co., 90 West St., $10,315,350; Stewart-Kerbaugh-Shanley & Co., 527 Fifth Ave., $13,979,813; O'Rourke Eng. & Construction Co., 345 Fifth Ave., $14,707,750. Itemized bids were given in issue of Aug. 15 under Contract Prices.

BUFFALO, N. Y.—Bids are asked by the Department of Public Works, F. G. Ward, Comr., until 11 a. m., Sept. 10, for installing two vertical triplex boiler feed pumps and feed water heater at the Pumping Station, Bureau of Water.

*ORANGE, N. J.—Bids are asked by the Common Council until 8 p. m., Sept. 9, for furnishing and laying 12, 20 and 24-in. c.-i. water pipe, and special castings and constructing covered reservoir. Willett B. Gano is City Clk. Fred. T. Crane is City Engr.

WILSON, N. C.—The contract has been awarded to the NEW YORK CONTINENTAL JEWELL FILTRATION CO., 15 Broad St., New York, for constructing filtration plant, consisting of two 8 × 20-ft. sectional wash filters.

PAVO, GA.—A water-works system will be installed.

McEWEN, TENN.—The city contemplates construction of water-works system.

ELMORE, OHIO.—A water-works system will be installed. Estimated cost, $25,000. E. Jaiger is City Clk. George Harrop, of South Bend, Ind., is Engr.

BELLEVUE, OHIO.—Bids are asked until noon, Sept. 5, for constructing reinforced concrete walls around water-works storage reservoir, about 5,000 ft. in length. George Lieber is Village Clk. J. C. Overmyer, Fremont, Ohio, is Engr.

NEW CARLISLE, OHIO.—The question of constructing water-works is being considered.

LEESBURG, OHIO.—Bids are asked by the Board of Public Affairs, W. H. Mason, Clk., until noon, Sept. 5, for constructing portion of water-works system.

COLUMBUS, OHIO.—Bids are asked until Aug. 30 by the Board of Public Service, E. F. McGuire, Secy., for laying c.-i. force mains in Dublin Pike, Dublin Ave. and Spring St., Franklin Township, and in Columbus. The approximate quantities are as follows: 2,420 tons c.-i. pipe, 11,000 lbs. iron castings, 26 3 to 36-in. gate valves, 130 tons bell and spigot special castings, four tons flange special castings, 7,500 lbs. twisted steel rods, 2,200 cu. yds. macadam, 2,500 lbs. manhole steps and tie rods, etc. Henry Maetzel is Ch. Engr., Bd. Pub. Service.

BONNEVILLE, IND.—The Commissioners of Warrick and Spencer Counties have awarded contract to the R. A. BROWN CONSTRUCTION CO. for construction of Barr Creek ditch in Jackson and Pigeon Creek Township for $26,000.

ESCANABA, MICH.—The Escanaba Water Co., Geo. L. Weaver, Pres., contemplates constructing filter plant.

GRAND FORKS, N. DAK.—Bids are asked until Aug. 30 by W. V. O'Connor, City Audr., for constructing water main in Eighth St. and Ione Ave.

WOONSOCKET, S. DAK.—Bids are asked by the County Commissioners until 1 p. m., Sept. 4, for constructing drainage ditch No. 3. Lewis Strand is County Audr.

SUPPLY, OKLA.—See Sewerage.

PAWNEE, OKLA.—The water-works system will be extended. The work will include laying pipe, constructing wells and adding to the height of present standpipe. Cost, $20,000. M. H. Bretz is Clk.

OKLAHOMA CITY, OKLA.—Bids are asked by W. C. Burke, City Engr., until Aug. 31 for installing water softening plant of 50,000 gallons daily capacity at the city water-works pumping station.

WELEETKA, IND. T.—The Weleetka Light & Power Co. contemplates constructing additions and improvements to its water-works system, and may install a 200-KW. dynamo. D. F. Campbell is Mgr.

*CANON CITY, COLO.—Bids are asked by the City Clerk until Sept. 20 for construction of reservoir at Cottonwood Creek and pipe line to city water mains.

FRUITA, COLO.—A reservoir will probably be constructed. Estimated cost, $25,000. I. H. Whittemore is City Clk. Fred. Lowenhagen, of Fruita, is Engr.

HILLYARD, WASH.—A municipal water-works system may be installed.

SEATTLE, WASH.—It has been decided, it is reported, to install salt water mains as soon as possible. Estimated cost, $40,000. R. H. Thomson is City Engr.

*LOS ANGELES, CAL.—Bids are asked until 3.30 p. m., Sept. 30, by Wm. Mulholland, Supt. Board Water Comrs., for furnishing f. o. b. cars at Los Angeles, approximately 6,000 tons of standard hub and spigot cast-iron water pipe.

Bids are asked at same date for two water tube boilers of 300-HP. each and one 7,000,000-gallon cross-compound pumping engine. F. J. Fischer, Ch. Mech. Engr.

MONROVIA, CAL.—Plans have been prepared by O. K. Parker, of Los Angeles, Cal., for constructing pumping plant for water-works.

COTTONWOOD, IDAHO.—The citizens have subscribed $20,000 for installing water-works system.

HAMILTON, ONT.—The Fire, Water and Light Commission of the City Council has decided to install two electrical pumps at the civic water-works plant to pump 10,000,000 gallons daily. Estimated cost, $50,000.

SEWERAGE.

(denotes that this work is advertised in Engineering News.)*

*TOGUS, ME.—Bids are asked by the Treasurer Eastern Branch, National Home for Disabled Volunteer Soldiers, until noon, Sept. 19, for the improvement of the sewerage and drainage system. Geo. W. Fuller, 170 Broadway, New York, is Engr.

MILFORD, MASS.—Bids were received on Aug. 8 by James E. Walker, Chn. of Com., for (A), constructing 7,000 ft. 6 to 12-in. sewers, 800 ft. 8-in. force main, concrete pump well and concrete pumping station; (B), furnishing 800 ft. 8-in. c.-i. pipe; (C), furnishing and erecting electric pumping plant, consisting of motors and directly connected centrifugal pumps. F. A. Barbour, Boston, Mass., is Engr.: Signore & DeSantis, $10,844; Bruno, Salomone & Petitti, of Boston, $16,155; Cenedella & Co., of Milford, $16,356; C. E. Trumbull & Co., of Boston, $16,398, and John E. Burns & Co., of Boston, $17,525. Owing to a mistake in the bid of the lowest bidder, all bids were rejected and new bids were received as follows on Aug. 16: SIGNORE & DE SANTIS, of Boston (awarded contract for (A) and (C)), at $13,844; C. E. Trumbull & Co., of Boston, $16,263; Bruno, Salomone & Petitti, of Boston, $17,350; and Cenedella & Co., of Milford, $18,041. Contract for (B) was awarded to the EASTERN CLAY GOODS CO., 79 Milk St., Boston.

NORWOOD, MASS.—We are officially advised that the following bids have been received for constructing sewers: M. McDONOUGH, Swampscott, Mass., $19,432 (awarded contract); W. Shea, Quincy, Mass., $19,569; George M. Bryne, 7 Water St., Boston, $19,710; C. E. Trumbull, Boston, $19,991; J. E. Palmer, 166 Devonshire St., Boston, $20,496, and Charles R. Gow Co., 79 Milk St., Boston, $20,529. Lewis D. Thorpe, 46 Cornhill St., Boston, Mass., is Engr.

NEW YORK, N. Y.—Bids are asked by the Department of Parks, Moses Herrman, Pres., until 3 p. m., Sept. 5, for constructing brick sewer in Van Cortlandt Park.

NEW YORK, N. Y.—Bids are asked until 11 a. m., Sept. 11, by Bird S. Coler, Pres. Boro. of Brooklyn, for constructing sewers and sewer basins in various streets in Brooklyn.

OLEAN, N. Y.—Bids are asked by the Common Council until 7.30 p. m., Sept. 6, for laying 10-in. vitrified pipe sewer in portion of North Eleventh St. E. E. Allen is Supt. of Streets.

HOBOKEN, N. J.—Bids are asked by the City Council until 8 p. m., Sept. 11, for cleaning and repairing sewer in portion of Jackson St. James H. Londrigan is City Clk.

TRENTON, N. J.—Bids are asked by the Common Council until 8 p. m., Sept. 3, for constructing sewer in portion of Whittaker Ave. Harry B. Salter is City Clk.

ASBURY PARK, N. J.—We are officially informed that the Department of Water and Sewers, John L. Coffin, Supt., has awarded contract for constructing 1,200 ft. 12-in. w.-i. sewer outlet pipe, extending seaward from tide mark to A. B. MARSDEN & CO., 21 West St., Utica, N. Y., at $4,900. Niart Rogers is City Engr.

*SOUTH ORANGE, N. J.—Bids are asked by the Township Committee until 8 p. m., Sept. 17, for constructing two sections of sanitary sewers. The approximate quantities of work are as follows: Maplewood District—3,460 ft. 10-in. and 15,000 ft. 8-in. vitrified pipe sewers, 63 manholes and twelve flush-tanks. South Orange Heights District—250 ft. 10-in. and 16,648 ft. 8-in. vitrified pipe sewer, 47 manholes and 13 flush-tanks. Edward R. Arcularius is Township Clk. Alexander Potter, 143 Liberty St., is Consult. Engr.

*PHILADELPHIA, PA.—Bids are asked by the Department of Public Works, George R. Stearns, Dir., until noon, Sept. 11, for Schedules A, B, C, D and E. Schedule A is for bridges; see under Bridges. Schedules B, C, D and E are for sewers, as follows: Schedule B, Main Sewers: Extension of Thomas Run system in Florence Ave., etc.; 1,572 ft. of 5-ft. to 5½-ft. brick sewer; appropriation, $30,000. Extension of Market St. sewer to 36th St.; 156 ft. of 5-ft. brick sewer; appropriation, $3,000. Extension of Wissahickon Lower Level intercepting sewer; 1,590 ft. of 3½-ft. brick sewer; appropriation $290,500. Extension of Wissahickon High Level intercepting cut-off sewer; 1,267 ft. of 6-ft. brick sewer in tunnel; appropriation, $50,000. Extension of sewer in Bingham St. and Wyoming Ave.; 1,791 ft. of 3½ ft. to 4¾-ft. brick sewer; appropriation, $25,000. Extension of Jackson St. sewer from 33d to 29th Sts.; 1,846 ft. of 6½ to 7-ft. brick sewer; appropriation, $25,000. 12th St. sewer from Louden to Ruscomb Sts.; 1,073 ft. of 3½ to 4-ft. brick sewer; appropriation, $8,000. Ninth St., Butler and Tenth Sts. sewer, from Erie Ave. to Luzerne St.; 2,054 ft. 4¾ to 5-ft. brick sewer; appropriation, $18,000. Schedule C—Branch Sewers: 32 contracts for brick sewers less than 3½ ft. in diameter. Estimater cost, $100,000. Schedule D: inlets, laterals, etc. Estimated cost, $5,000. Schedule E: Reconstruction of Pine St. sewer; 300 ft. of 8-ft. brick and concrete sewer; appropriation, $25,000. George S. Webster is Ch. Engr.

MONESSEN, PA.—Bids are asked by J. F. Irwin, Boro. Engr., until 4 p. m., Sept. 5, for construction of storm water sewer and appurtenances. The work includes 700 lin. ft. of oval-shaped 3-rung brick sewer.

GAINESVILLE, FLA.—The Board of Public Works has awarded the contract for the construction of about six miles of lateral sewerage to F. H. BEEMAN, at $10,000.

JOHNSON CITY, TENN.—Bids are asked by E. E. Ellsworth, City Recorder, until Sept. 5, for constructing 4,200 lin. ft. 8-in. vitrified sewer. L. N. Wilson, Jr., is City Engr.

TOLEDO, OHIO.—Bids are asked by the Board of Public Service, Reynold Voit, Secy., until noon, Sept. 3, for constructing sewers in portions of various streets. Frank I. Consaul is Ch. Engr.

COLUMBUS, OHIO.—We are officially advised that the following bids have been received by the Board of Public Service for installing pumping machinery at the East Side Sewage Pumping Station: COLUMBUS MACHINE CO., Columbus, $13,255 (awarded contract); D'Olier Engineering Co., 121 South Eleventh St., Philadelphia, Pa., $14,480, and Woolen & Callon, Indianapolis, Ind., $15,230. John H. Gregory, Columbus, is Ch. Engr., Improved Water and Sewage Wks.

*LINTON, IND.—Bids are asked by the Common Council until 4 p. m., Sept. 16, for constructing sanitary sewer system. Work to consist of about 13 miles of sewer, with disposal plant. Estimated cost, $64,800. Frank Spilling is City Clk.

SOUTH BEND, IND.—STAPLES & ACKERMAN, of South Bend, have secured contract for constructing Emerson St. pipe sewer, for $4,500. Alonzo J. Hammond is City Engr.

HOWELL, MICH.—The Trustees of the State Sanitorium for Tuberculosis, at Howell, have awarded contract for constructing sewage disposal plant to CHAS. G. JEWETT, of Howell. Burton J. Ashley, 6315 Normal Ave., Chicago, is Consult. Engr.

PEKIN, ILL.—EDWARD HARDING, of Racine, Wis., has been awarded contract for constructing brick and iron pipe sewer, at $120,000.

NORTH CHICAGO, ILL.—The following bids have been received by the Bureau of Navigation, Navy Dept., Washington, D. C., for laying sewers and drains at the Naval Training Station, North Chicago, Ill.: Carmine Roberts, Chicago, $62,351, and H. C. Patterson, Waukegan, Ill., $63,500.

SPRINGFIELD, ILL.—Bids will soon be asked for constructing brick sewer in southeastern portion of the city, 5,000 ft. in length. Estimated cost, $35,000.

BELOIT, WIS.—Bids are asked by the Common Council until 10 a. m., Sept. 4, for constructing sanitary sewers in portions of various streets. Robert R. Caldwell is City Engr.

WINNEBAGO, MINN.—The City Council has awarded contract for installing sewerage system to the J. W. TURNER CO., of Des Moines, Iowa, for $15,000.

NEW ULM, MINN.—Bids are asked until 5 p. m., Sept. 3, by Ernst Wicherski, City Clerk, for constructing concrete sewer on Franklin St.

NORFOLK, NEB.—Bids are asked by Julius Huiff, City Clk., until noon, Aug. 30, for constructing district sewer No. 1.

GRAND FORKS, N. DAK.—Bids are asked by the City Council until Sept. 2 for constructing lateral sewer. W. V. O'Connor is City Audr. (This item was erroneously reported last week as Grand Rapids, N. Dak.)

ARKADELPHIA, ARK. — ROBINSON BROS., of Pine Bluff, have secured contract for constructing 45,280 ft. of clay pipe sewers, for $28,362.

CAMDEN, ARK.—B. C. POUNCEY, of Helena, has secured contract for constructing 10,000 ft. of sewers in Dist. 2 for $6,200.

SUPPLY, OKLA.—Plans and specifications for repairing the buildings, water-works and sewerage systems at Fort Supply Military Reservation, Woodward County, Oklahoma, for use as a hospital for the insane of Oklahoma Territory, have been prepared. Bids are asked until noon, Sept. 2. Frank Frantz, Chn. Bd. Trustees.

SEATTLE, WASH.—Bids are asked by C. B. Bagley, Secy. Bd. Pub. Wks., until 10 a. m., Sept. 7, for the construction of the Green Lake District of the North Trunk sewer.

BELLINGHAM, WASH.—The Council has awarded contract for constructing sewers in alley between James and King Sts., to B. N. BARTLETT, at $4,670.

LOS ANGELES, CAL.—The Board of Public Works has awarded the contract for constructing a steel concrete trestle to support the central intercepting sewer across Los Angeles River to the WESTERN CONSTRUCTION CO., at $3,697.

STREETS AND ROADS.

(denotes that this work is advertised in Engineering News.)*

LYNN, MASS.—An additional contract for laying 3,938 sq. yds. of bitulithic pavement has been awarded to the WARREN BROTHERS CO., 93 Federal St., Boston. George I. Leland is City Engr.

MINEOLA, L. I., N. Y.—We are officially advised that Mineola, Roslyn & Port Washington Traction Co. has awarded contract for laying macadam and brick pavement in Mineola, Roslyn and Port Washington to the ABBOT-GAMBLE CO., 32 Broadway, New York, for $22,000.

NEW YORK, N. Y.—Bids were received as follows on Aug. 19 by J. A. Bensel, Comr. of Docks, for Contract No. 1096: For furnishing all the labor and materials required for grading and constructing pedestrian approaches to the ferries between West 22d and West 23d Sts., North River, and for granite pavement between West 13th and West 14th Sts., North River, on the Chelsea Section, Boro. Manhattan: (a) Class 1; (b) class 2: John M. Sheehan, 280 Broadway, (a) $19,672, (b) $2,962. The Atlanta Contracting Co., 434 East 91st St., (a) $17,139, (b) $2,900. This item was erroneously reported last week.

NEW YORK, N. Y.—Bids are asked by the Department of Parks, Moses Herrman, Pres., until 3 p. m., Sept. 5; for (a) repairing asphalt roadways of Glenmore Ave. and Eastern Parkway extension and resurfacing walks in Prospect Park, Boro. of Brooklyn; (b) paving, curbing, etc., semicircle at entrance to Central Park at 60th St. and Central Park West, Boro. of Manhattan.

*MONROE, N. Y.—Bids are asked by the Board of Village Trustees until 2 p. m., Sept. 5, for construction of about 11,000 sq. ft. of cement sidewalk and about 1,400 lin. ft. of curbing. T. F. B. Carpenter is Village Clk.: Fred. J. Knight is Engr. Specifications are on file at office of Engineering News, New York.

BUFFALO, N. Y.—Bids are asked by the Department of Public Works, F. G. Ward, Comr., until 11 a. m., Sept. 4, for paving, etc., portions of various streets.

*BAYONNE, N. J.—Bids are asked by the Council until 8 p. m., Sept. 3, for improving Ardrew and West 43d Sts., from Ave C to the Boulevard. W. C. Hamilton is City Clk.; F. W. Dalrymple is City Surv.

NEWARK, N. J.—The contract for laying 18,150 sq. yds. of bitulithic pavement has been awarded to the STANDARD BITULITHIC CO., 253 Broadway, New York. M. R. Sherrerd is City Engr.

OAKMONT, PA.—Bids are asked by the Borough Council until 7.30 p. m., Sept. 2, for grading, curbing and paving portion of Oakmont Ave. Douglass & McKnight, 1710 Union Bank Bldg., Pittsburg, are Boro. Engrs.

NEW MARTINSVILLE, W. VA.—Bids are asked by Glen Snodgrass, City Recorder, until Aug. 31, for laying 3,000 sq. yds. brick pavement and 2,000 lin. ft. curbing. W. J. Alexander is City Engr.

ASHEVILLE, N. C.—The contract for laying 6,500 sq. yds. of bitulithic pavement has been awarded the ATLANTIC BITULITHIC CO., of Richmond, Va. B. M. Lee is City Engr.

COLUMBUS, GA.—The SOUTHERN BITULITHIC CO., of Nashville, Tenn., has been awarded an additional contract for laying 1,250 sq. yds. of bitulithic pavement. W. C. Campbell is Supt. Pub. Wks.

DE LAND, FLA.—Bids are asked by E. D. McLeod, City Clk., until Sept. 9, for constructing about 5,000 lin. ft. 5-ft. sidewalks.

FERNANDINA, FLA.—Centre St. will probably be paved with vitrified brick. Estimated cost, $32,000. E. R. Conant is Engr.

DECATUR, ALA.—The SOUTHERN BITULITHIC CO., of Nashville, Tenn., has been awarded contract for laying 31,921 sq. yds. of bitulithic pavement.

MONTGOMERY, ALA.—Bids are asked by R. S. Williams, City Treas., until Sept. 2, for laying sidewalks on portion of Cramer Ave.

ENSLEY, ALA.—The SOUTHERN BITULITHIC CO., of Nashville, Tenn., has been awarded contract for laying 21,500 sq. yds. of bitulithic pavement.

FLORENCE, ALA.—Bids are asked by J. B. White, City Clk., until Sept. 3, for laying cement sidewalks on Tennessee St., Royal Ave. and Huntsville Road.

JOHNSON CITY, TENN.—Bids are asked by E. E. Ellsworth, City Recorder, until Sept. 5, for laying about 48,000 sq. yds. pavement, 22,000 sq. ft. concrete sidewalk, 4,000 lin. ft. concrete curbing. L. N. Wilson, Jr., is City Engr.

LEXINGTON, KY.—The only bid received on Aug. 15 for laying macadam pavement on portion of Clay Ave. was submitted by the Home Construction Co., at $5,100. P. P. O'Neil is City Engr.

TOLEDO, OHIO.—The contract for laying 7,000 sq. yds. of bitulithic pavement has been awarded to H. P. STREICHER & CO., of this city.

CLEVELAND, OHIO.—Bids are asked by the Board of County Commissioners, Julius C. Dorn, Clk., until 11 a. m., Sept. 11, for grading and draining portion of Taylor Road. A. B. Lea is County Engr.

CINCINNATI, OHIO.—Bids are asked by the Board of Public Service, M. J. Keefe, Clk., until noon, Sept. 12, for grading, paving, etc., portions of Moorman and Bonaparte Aves. Estimated costs, $13,573 and $6,792, respectively. C. N. Dannenhower is City Engr.

Bids are asked by the Board of Public Service until noon, Sept. 13, for grading, paving, etc., portions of Hermosa, Mt. Vernon, Glenway and Fairview Aves. and Arlington St.

PORTSMOUTH, OHIO.—Bids are asked by the Board of Public Service, B. F. Royse, Pres., until noon, Sept. 4, for grading, paving, etc., portions of Prospect St.

MARIETTA, OHIO.—Bids are asked by the County Commissioners until noon, Sept. 12, for grading, etc., portion of Marietta-Barlow Road. J. M. Williams is County Audr.

BERGHOLZ, OHIO.—Bids are asked by W. A. Taylor, Springfield Township Clk., at Bergholz, until 2 p. m., Sept. 5, for grading and macadamizing five miles of road in Springfield Township.

SALEM, IND.—Bids are asked by the Board of County Commissioners until 1.30 p. m., Sept. 2, for construction of Old State Road in Gibson Township, about 8,169 ft. in length.

WASHINGTON, IND.—Bids are asked by the County Commissioners until 2 p. m., Sept. 4, for constructing two gravel roads, known as Barber and Walker Roads. Thomas Nugent is County Audr.

BLOOMFIELD, IND.—Bids are asked by the County Commissioners until 2 p. m., Sept. 3, for construction of gravel and macadamized road in Richland Township, known as the Lucas Road. Peter M. Cook is County Audr.

TERRE HAUTE, IND.—Bids are asked by the County Commissioners until 11 a. m., Sept. 7, for grading and paving with cinders about 2½ miles of Road No. 5 in Nevins Township. Jerome W. Denehie is County Audr.

INDIANAPOLIS, IND.—The WESTERN CONSTRUCTION CO., of Lafayette, Ind., has been awarded contract for laying 14,125 sq. yds. of bitulithic pavement. Blaine H. Miller is City Engr.

Bids will soon be asked by the Board of Public Works for paving, etc., portions of various streets.

DETROIT, MICH.—The CENTRAL BITULITHIC CO., of this city, has received contract for laying 5,276 sq. yds. of bitulithic pavement. Robert H. McCormick is City Engr.

*CHAMPAIGN, ILL.—Bids are asked until 2 p. m., Sept. 6 for grading, curbing, draining and paving Daniel St. with asphalt. Geo. C. Fairclo, City Engr.

MILWAUKEE, WIS.—The Board of Public Works has awarded to OTTO KOENING the contract for paving Fond du Lac and Lisbon Aves. with cedar blocks at $1.37 per sq. ft. Charles G. Poetsch is City Engr.

OTTUMWA, IOWA.—Bids are asked until 8 p. m., Sept. 2, for furnishing all materials, labor, tools and machinery required for paving and curbing various streets. C. R. Allen is City Engr.

ST. PAUL, MINN.—Bids are asked by the Board of County Commissioners until 10 a. m., Sept. 6, for the improvement of Larpenteur Ave. from Lexington to Quincy Aves. according to plans in the office of County Surveyor. Edw. G. Krahmer is County Audr.

HUTCHINSON, KAN.—An additional contract for laying 5,543 sq. yds. of bitulithic pavement has been awarded to the KANSAS BITULITHIC CO., of Kansas City, Mo. T. G. Elbury is City Engr.

HELENA, MONT.—WILLIAM McMILLAN has been awarded contract for laying cement sidewalks on Main St. C. W. Helmick is City Engr.

INDEPENDENCE, MO.—An additional contract for laying 1,600 sq. yds. of bitulithic pavement has been awarded to the KANSAS BITULITHIC CO., of Kansas City, Mo. R. L. Proctor is City Engr.

PINE BLUFF, ARK.—The HOT SPRINGS CONCRETE CO., Hot Springs, Ark., has been awarded contract for 60,000 sq. ft. of concrete sidewalk at about $7,200. Wm. J. Parkes is City Engr.

EL PASO, TEX.—Bids are asked by the Commissioners' Court of El Paso County until 10 a. m., Sept. 9, for the construction of a macadam road along what is known as the county road. A. S. Eylar is County Judge.

DALLAS, TEX.—We are officially advised that the city of Dallas will soon advertise for bids and award a contract for laying approximately 50,000 sq. yds. of street paving. William Doran is Comr. of Streets and Public Property.

EL RENO, OKLA.—Bids are asked until Sept. 5 for construction of 38,913 sq. yds. of vitrified brick pavement, with asphalt filler, to be laid on 5-in. base of concrete; also 4,922 lin. ft. of stone curbing. L. G. Adams is City Clerk.

PASADENA, CAL.—J. E. HADDOCK has been awarded contract for paving California St., at $18,326. THOMPSON & DONTANVILLE were awarded contract for Henrietta Court, at $1,512. S. F. Pearson is City Engr.

OGDEN, UTAH.—P. J. MORAN, Salt Lake City, Utah, has been awarded contract for paving from 25th to 26th Sts., at $19,452. A. F. Parker is City Engr.

AMHERST, N. S.—The laying of 5,600 sq. yds. of bitulithic pavement has been added to the contract previously awarded to the WARREN BITUMINOUS PAVING CO., of Toronto, Ont. A. Barber is City Engr.

TORONTO, ONT.—The WARREN BITUMINOUS PAVING CO., of this city, has been awarded a contract for laying 14,672 sq. yds. of bitulithic paving. C. H. Rust is City Engr.

ST. BONIFACE, MAN.—City has awarded an additional contract for bitulithic pavement to the BITULITHIC & CONTRACTING CO., LTD., Winnipeg, for 1,800 sq. yds. Cecil Goddard is Town Engr.

REGINA, SASK.—An additional contract for laying 1,900 sq. yds. of bitulithic pavement has been awarded to BITULITHIC & CONTRACTING, LTD., of Winnipeg, Man.

MANUFACTURING PLANTS.

(denotes that this work is advertised in Engineering News.)*

WORCESTER, MASS.—F. W. MARK, 4 Walnut St., City, has the contract for the superstructure of a brick and steel rolling mill for the American Steel & Wire Co. Estimated cost, $75,000. Noted on Aug. 8.

PROVIDENCE, R. I.—JAMES STEWART & CO., 135 Broadway, New York, have been awarded contracts for two brick and steel mill buildings, to be erected at Auburn, R. I., for the General Fire Extinguisher Co., 111 Broadway, New York. Cost, $200,000.

WASHINGTON, D. C.—Bids are asked until 11 a. m., Sept 14, by the Bureau of Yards and Docks, Navy Dept., for constructing three brick buildings at the Naval Hospital Reservation. Specifications are on file at office of Engineering News, New York.

TRENTON, N. J.—W. W. Slack, 18 East State St., Trenton, has plans for a manufacturing plant for the Ajax Grieb Rubber Co. It includes a power-house, main factory building, office building and warehouse and storage buildings. Estimated cost, about $100,000.

BUFFALO, N. Y.—The Auto Car Equipment Co. will build a brick, steel and glass factory building, two stories in height, 180 × 80 ft., with a "L" 80 × 80 ft., at Elmwood and Hertel Aves. and the Erie Belt Line tracks. Estimated cost, $52,000.

The Dunston Lithograph Co. will erect a 1-story brick factory building on Elmwood Ave. at the Erie R. R. crossing. Estimated cost, $40,000. James W. Chase, 23 Putnam St., Buffalo, Arch.

CHAS. BERRICKS SONS, 1151 Main St., contracting builders, have the contract for erecting a 2-story brick factory building, 40 × 110 ft., at Washington and Goodell Sts., for the Stevenson Machine Co.

The Lehigh & Lake Erie R. R. Co. will erect a roundhouse of reinforced concrete on Tifft St., east of the Hamburg Turnpike. Estimated cost, $36,750. Walter G. Berg, Ch. Engr., Lehigh Valley R. R., New York, has charge of the work.

SHERMAN, N. Y.—We are officially advised that the DUROLITHIC CO., No. 16 Builders' Exchange, Buffalo, N. Y., has been awarded the contract for the Mohawk Condensed Milk Co.'s building, to be erected at Sherman. James R. Tyler, Arch., Rochester, N. Y. The building is to be 40 × 202 ft., four stories in height. The first floor reinforced concrete, balance mill construction, exterior walls of sand lime brick, chimney 127 ft. in height, boilers 450 HP., elevators, sprinkler system, steam heat, composition roof, ventilators and skylights.

EASTON, PA.—H. R. Fehr, Mgr., states that the Easton Transit Co. expects to build two steel and concrete car houses. One is to be built in Phillipsburg, N. J., and the other will be located at 16th and Washington Sts., Easton. In addition, Mr. Fehr states that the company has recently placed an order with J. G. BRILL CO. for six semi-convertible cars, to be used on the Phillipsburg lines. A contract has also been awarded to T. M. LESHER, of Easton, to build an extension on Heckman St.

NEW YORK, N. Y.—Louis R. Kaufman, Arch., 160 Fifth Ave., is receiving estimates for two factory buildings, one to be six stories, 47 × 90 ft., and one to be 1-story, 47 × 90 ft., at Willow Ave. and 136th St., for the International Manufacturing Co., Willow Ave. and 137th st. Brick fireproofing, slag and gravel roofs, architectural and structural iron work, etc. Cost, about $130,000.

PHILADELPHIA, PA.—Sauer & Hahn, Archs., 1118 Chestnut St., have plans for a 3-story or 4-story factory building, in this city, to cost about $50,000.

Henry D. Dagit, Arch., 411 Walnut St., has plans ready for bids for a 4-story factory building, at 138 North Twelfth St., for I. A. Schwartz.

BALTIMORE, MD.—The Hutchinson Bros. Co. has been incorporated with $50,000 capital stock to manufacture and sell stoves and heating apparatus by C. Fred Hutchinson, 116 North Howard St., Thomas Mahool, Henry Huber and others.

The Duke, Montague & Gillet Co., strawhat manufacturer, 16 South Howard St., will erect a factory building on Park Ave., between Preston and Biddie Sts. The site is 100 × 100 ft.

CUMBERLAND, MD.—The Cumberland Steel Co., Merwin McKaig, Pres., will be build plant recently burned at a loss of about $350,000.

NASHVILLE, TENN.—The White Trunk & Bag Co. will rebuild plant recently burned at a loss of $45,000. New factory will be three stories high, 300 × 60 ft., constructed of frame, ironclad. Private water and heating systems will be provided. Former will consist of tank 65 ft. high with capacity of 30,000 gallons of water; pumping station capable of pumping 1,000 gallons per minute, and reservoir with capacity of 100,000 gallons. The power-house will be used for heat and water supply. About $50,000 will be invested in building and equipment. It is expected that plant will be completed by Nov. 1. J. A. G. SLOAN has the contract.

LINCOLNTON, N. C.—The management of the Laboratory Cotton Mills has awarded contract to A. K. LOFTIN for construction of the building for an additional mill, which is to be two stories high, of brick, 80 × 100 ft. Present equipment of company, 5,020 spindles.

MERIDAN, MISS.—Fred. Gordon Shaw, Arch., has let contract to CARSON & RICHARDSON, for constructing a 1-story compress, 300x360 ft., for the Citizens' Compress, to cost $60,000.

CLEVELAND, OHIO.—THE AMERICAN BRIDGE CO., New York, has been awarded the contract at $150,000 for the structural steel to be used in the building of the new mill of the American Steel & Wire Co., along the Newburgh & South Shore R. R. The steel covered by this contract amounts to 2,100 tons.

The Osborne Engineering Co. has completed plans for a 2-story addition to carriage factory building for Rauch & Lang; cost, $10,000.

MURPHYSBORO, ILL.—A. B. Groves, Arch., 314 West Fourth St., St. Louis, Mo., has let general contract to the WRIGHT-GALLAGHER CONSTRUCTION CO., St. Louis, for a 3-story shoe factory building at Murphysboro for the Brown Shoe Co., of St. Louis, which will cost $80,000.

LEBANON, IND.—F. C. Rogers, Arch., has let general contract to JAMES COBB for a 2-story brick factory building, 26 × 150 ft., for the Lebanon Dairy Cream Separator Co. Cost, $11,000.

CHICAGO, ILL.—A. W. MACE, of Coats, Burchard & Co., 159 La Salle St., Chicago, has received the general contract for a factory building and a 1-story addition for Meyercord Co. Estimated cost, $35,000.

F. Schoenfeldt, Arch., 1755 West Twelfth St., has made plpans for a factory building for the South Western Architectural Iron Works, A. Klein, Prop. It will cost $6,000.

CONNERSVILLE, IND.—W. F. Granger, Arch., has let general contract to W. W. SPARKS for a 4-story brick addition to factory building for the Rex Buggy Co., to cost $16,000.

MILWAUKEE, WIS.—H. C. Koch & Son, Archs., Wells Bldg., are making plans for an $80,000 tannery for A. F. Gallun & Sons, 975-1031 North Water St. It will be six stories high, of mill, fireproof construction, with brick exterior.

The York Ice Machine Co., New York, has prepared plans for constructing ice and refrigerating plant for the People's Pure Ice Co., Milwaukee. Cost, $200,000.

MINNEAPOLIS, MINN.—The general contract for the erection of a flour mill for the Russell-Miller Milling Co., of this city, has been let to H. N. LEIGHTON & CO., 213 South Sixth St., city. It will be six stories high, of pressed brick, reinforced concrete, fireproof construction. Cost, $100,000.

MACKENZIE & GILBERT, City, have been awarded the contract for the general construction of the 3-story pressed brick and cut stone building for the American Type Foundry Co., City. It will be 54 × 140 ft., of reinforced concrete; fireproof construction. Cost, $40,000.

ST. LOUIS, MO.—The A. [illegible] struction Co. is receiving bi[illegible] factory building for the A. [illegible] Brass & Foundry Co., 2024 [illegible] will cost about $25,000.

W. A. Tyrrell, Engr., is pre[illegible] a cement plant, consisting of [illegible] near Luxemburg, for the C[illegible] land Cement Co.

BROOKFIELD, MO.—A. B[illegible] 314 North Fourth St., St. Lo[illegible] eral contract to MURCH BR[illegible] for a 3-story brick and sto[illegible] building, at Brookfield, for [illegible] Co., of St. Louis. Cost, $90,0[illegible]

MISCELLANEOUS CO[illegible]RACTS.

(denotes that this work is [illegible] Engineering News.)*

U. S. RECLAMATION SERV[illegible] relative to canal projects, etc[illegible] under Water Supply—Irrigatio[illegible]

*CEMENT, STONE, SAND.—[illegible] sessions and Cuba.

DREDGING. — Seattle, Wa[illegible] asked until noon, Sept. 18, b[illegible] Chittenden, Corps Engrs., [illegible] dredging Pend d'Oreille River.

WHARF.—San Luis Obis[illegible] THOMPSON BRIDGE CO., S[illegible] has been awarded contract [illegible] Wharf, at $21,240.

DITCHES.—Estherville, Iow[illegible] asked until Sept. 11 and Sept. [illegible] Ridley, County Audr., for constr[illegible] Nos. 23, 30, 31 and 32.

*DREDGING.—Detroit, Mich[illegible] asked until 3 p. m., Oct. 8, for d[illegible] tion 1, Plan B, Detroit River [illegible] L. B. Davis, Corps Engrs., U. S

ROCK.—New Orleans, La.—Bi[illegible] by Capt. J. F. McIndoe, Corps [illegible] A., Custom House, until Sept. [illegible] ing about 9,000 tons rock for [illegible] harbor.

*EXCAVATION.—Detroit, Mi[illegible] asked until 3 p. m., Oct. 7, b[illegible] E. L. B. Davis, Corps Engrs., [illegible] rock and earth excavation, Se[illegible] B, Detroit River.

DITCH.—Marshalltown, Iowa [illegible] tract for the construction of [illegible] and Story Drainage Ditch No. [illegible] let to THEO. DANGERFIELD, [illegible] at $44,710. Erastus Cornell, [illegible]

SUBWAY EXITS.—Boston, [illegible] are asked until noon, Sept. 5, by [illegible] Transit Commission for constructing [illegible] trances and exits at Sumner [illegible] Washington St. tunnel. B. L[illegible] Secy.

EARTH FILLING.—Plaquemi[illegible] are asked until Sept. 16 by Capt. J. F. Mc[illegible] Indoe, Corps. Engrs., U. S. A. Custom House, New Orleans, for placing about [illegible] cu. yds. earth filling behind lock walls at Plaquemine.

PILING.—Pittsburg, Pa.—Bids [illegible] by the Borough of Turtle Creek until Sept. 2 for driving 1,500 lin. ft. piling. Plans and specifications may be seen at the office of Harrop, Hopkins & Taylor, Boro. Engrs., 90[illegible] Lewis Block, Pittsburg.

DIKE.—Boston, Mass.—Bids are asked by the Board of Harbor and Land Commissioners, Room 131, State House, Boston, until Sept. 6 for building dike at Herring River, Wellfeet. Whitman & Howard, 225 Devonshire St., Boston, Engrs.

BULKHEAD.—Santa Barbara, Cal.—Bids were received on Aug. 12 for constructing a bulkhead along a section of the East Boulevard Drive. JOHN WILLIAMSON, of Santa Barbara, the lowest bidder, was awarded the contract, at $31,300.

LEVEE.—Rock Island, Ill.—R. H. WILLIAMS is reported to have secured the contract for constructing eight miles of levee extending from Drury's Landing to Copperas Creek, at about $60,000. About 500,000 cu. yds. material will be removed.

GREENHOUSES, ETC.—Willimantic, Conn.—Competitive plans will be received by Thomas D. Bradstreet, Comptroller, Hartford, Conn., on Aug. 31 for a horticultural hall and greenhouses for the Connecticut Agricultural College, at Willimantic.

PAINTING FERRYBOATS.—New York, N. Y.—Bids are asked by J. A. Bensel, Comr. of Docks, until noon, Sept. 4, for Contract No. 1065: For furnishing all the labor and materials required for preparing for and painting the superstructures of the municipal ferryboats.

JETTY.—Portland, Ore.—Contract has been awarded by the Corps of Engineers, U. S. A., to ROBERT WAKEFIELD, of Portland, for construction of the north jetty at the mouth of Coquille River, for $5[illegible]000. Work will commence at once. Work will be mostly trestle work.

*DREDGING.—Boston, Mass. [illegible] bid only was received on Aug. 20 by Maj. Edward Burr, Corps Engrs., U. S. A., Boston, for dredging in Weymouth Back River, Mass. It was submitted by Simon J. Donovan, 81 Mountfort St., Boston, at 33 cts. a cu. yd., scow measurement.

*LOCKS AND DAMS, ETC.—[illegible]bile, Ala.—Bids are asked until 11 a. m., Oct. 5, by Maj. H. Jervey, Corps Engrs., U. S. A., for building locks and dams Nos. 2 and 3, and lock-tender's house, Tombigbee River, Ala. Plans and specifications are on file at office of Engineering News, New York.

*DREDGING.—New London, Conn.—Bids were received as follows by Maj. Harry Taylor, Corps Engrs., U. S. A., Aug. 19, for dredging 60,000 cu. yds. at mouth of Connecticut River: the W. H. Conard Dredging Co. 24 cts. a cu. yd.; total, $14,400. Morris & Cumings Dredging Co., 25 cts.; $21,600. Maritime Dredging Co., 23 cts.; $13,980. Hartford & New York Transportation Co., 20 cts.; $12,000. Atlantic Dredging Co., 22 cts.; $19,200. John P. Randerson, 18 cts.; $10,800.

DAMS.—[illegible], N. Y.—The AMBURSEN HYDRAU[illegible] CONSTRUCTION CO., 176 Federal S[illegible], Boston, Mass., is building two dams, res[illegible]ely 30 × 150 ft. and 27 × 250 ft., for the [illegible] Grasse Paper Co., at Pyrites, N. Y. Co[illegible]y expects to finish both dams in 60 days [illegible] commencing the work.

DOCK.—[illegible] Harbors, Minn.—Contract for the constr[illegible] of a new steel iron ore dock at this [illegible]or the Duluth & Iron Range R. R. Co[illegible] been let to the BARNETT & RECORD [illegible] of Duluth. The cost will be $1,250,000 [illegible]he dock, which will be known as No. [illegible] be built in Agate Bay, just south of [illegible]

*DRE[illegible]G.—Savannah, Ga.—Bids were received [illegible] Lieut.-Col. Kingman, Aug. 23, for dr[illegible] 238,000 cu. yds., Skidaway Narrows [illegible] as follows: Southern Dredging Co., [illegible]bile, Ala., $59,500; *Savannah Dredging [illegible]., Savannah, $32,725; H. H. Gefkin, [illegible]avannah, $35,402. (*Recommended [illegible] acceptance.)

*DRE[illegible]NG.—Tampa, Fla.—The following bids [illegible] opened on Aug. 16 by Maj. Francis [illegible] Shunk, Corps. Engrs., U. S. A., Jacksonv[illegible]r, for dredging in Tampa Bay about [illegible]00 cu. yds. (price given per cu. yd.): [illegible]rs Southern Dredging Co., Galveston, Tex., [illegible]26 cts.; and Southern Dredging Co., Mobile, Ala., 32 cts.

QUAY WALL.—Bremerton, Wash.—The Bureau of Yards and Docks, Navy Dept., Washington, D. C., received bids Aug. 24, for the construction of a quay wall at the Navy Yard, Puget Sound, Bremerton, Wash., as follows: T. Ryan, 28 Sullivan Bldg., Seattle, Wash., $26,560; International Contracting Co., 737 New York Block, Seattle, $41,290.

LUMBER, ETC.—New Orleans, La.—Bids are asked by the Board of Commissioners of Port of New Orleans, Wm. A. Kernaghan, Vice and Acting Pres., 601-602 Hibernia Bank and Trust Bldg., until Sept. 17, for furnishing and delivering such lumber and piling as may be ordered for repairs, etc., for a period of one year from date of contract. C. A. Bell, Engr., 506 Hibernia Bank Bldg.

*JETTY WORK.—Galveston, Tex.—Bids were received on Aug. 16 by Capt. John C. Oakes, Corps Engrs., U. S. A., for jetty work at mouth of Brazos River. Three bids were received, of which the lowest was that of Charles Clarke & Co., of Galveston, at $3.58 per ton. The other two were: D. M. Picton, of Galveston, $3.75 per ton, and S. H. Hudgins, of Velasco, Tex., $3.85 per ton.

RIPRAP.—New York, N. Y.—Bids were received as follows on Aug. 19 by J. A. Bensel, Comr. of Docks, for Contract No. 1101: For furnishing all the labor and materials required for furnishing and putting in place riprap stone: O'Brien Bros., 50 South St., 47 cts. a cu. yd.; Bouker Contracting Co., 17 State St., 55 cts.; H. Miller, 129 Broad St., 52½ cts. This item was erroneously reported last week.

LUMBER, PIPE-FITTINGS, ETC.—New York, N. Y.—Bids are asked until 9 a. m., Sept. 9, by the Department of Health, for furnishing and delivering, as required, lumber, timber, moulding, pipe, fittings, stopcocks, valves, paints, oils, varnishes and miscellaneous plumbers', steamfitters' and painters' supplies to the Hospitals of the Department of Health in the various Boroughs of the City of New York, during the year 1907.

FREIGHT SHEDS.—New York, N. Y.—Bids were received as follows by J. A. Bensel, Comr. of Docks, on Aug. 21 for Contract No. 1091: For furnishing all the labor and materials required for preparing for and building freight sheds on Piers 60, 61 and 62, and on the adjacent bulkhead platforms or lateral extensions between West 19th and West 22d Sts. on the North River, in the Chelsea section: Post & McCord, 44 East 23d St., $1,567,000; James Stewart & Co., 135 Broadway, $1,503,000; Maryland Steel Co., 71 Broadway, $1,543,960.

*WHARF, ETC.—San Diego, Cal.—Bids were received by the Bureau of Equipment, Navy Dept., Washington, D. C., on Aug. 20, for constructing a wharf, and a trestle and coal bunker on the wharf of the U. S. naval coal depot, at San Diego, as follows: The Pacific Construction Co., of San Francisco, $244,980; the Snare & Triest Co., of New York, $230,290; Cotton Bros. & Co., of Oakland, Cal., $264,000; the San Francisco Bridge Co., of San Francisco and New York, $281,943. The Pennsylvania Bridge Co., of Beaver Falls, Pa., was the lowest bidder, at $229,400.

ARMOR PLATE.—Washington, D. C.—Contracts were signed at the Navy Department on Aug. 21 with the BETHLEHEM STEEL CO. and the CARNEGIE STEEL CO. for the delivery of 7,217 tons of steel armor plates and appurtenances for the two new battleships of 20,000 tons each, of the Delaware class, to be constructed, respectively, by the Newport Shipbuilding Co. and the Fore River Shipbuilding Co. As far as practicable, the amount of steel contracted for was divided between the Bethlehem and Carnegie companies, the prices ranging from $420 a ton for class A, to $400 a ton for classes B, C and D armor, to be delivered by the Bethlehem Co. at $420 a ton for class A armor, and $400 a ton for classes B and C by the Carnegie Co.

*DREDGING.—Charleston, S. C.—Bids were received on Aug. 20 by Capt. E. R. Stuart, Corps Engrs., U. S. A., for dredging canal between Cowee Bay and McClellanville, as follows: (A), dredging sand, mud, etc., per cu. yd.; (B), stumps, each; (C), logs, each; (D), description of plant; (E), monthly rate, cu. yds. Edward M. Graves, 17 Commercial Bank Bldg., Cleveland, Ohio, (A), 20 cts.; (B), $50; (C), $20; (D), elevator dredging conveyor plant, 120 ft. long; (E), 20,000. Simmons-Nugent Co., Charleston, S. C., (A), 27.7 cts.; (B), $2; (C), $2; (D), hydraulic dredge [illegible] 25,000. Savannah Dredging Co., Savannah, Ga., (A), 25⅞ cts.; (B), $8; (C), $5; (D), hydraulic suction method; (E), 20,000 to 30,000. Southern Dredging Co., Mobile, Ala., (A), 37 cts.; (B), $30; (C), $8; (D), hydraulic dredging, 15-in. pump; (E), 25,000.

PARKS, ETC.—Denver, Colo.—The City Park Board has adopted the plans of Geo. E. Kessler, Fidelity Bldg., Kansas City, Mo., for a system of parks and parkways and connecting boulevards in the Montclair District.

LEVEE.—Quincy, Ill.—FRANK J. STOLTE, of Shepherd, Ill., has been awarded contract for strengthening and otherwise building up the Indian Grave Drainage District levee for a distance of two miles, between the Darnell and NicKerson farms. Cost, $4,500.

CANAL.—Peterboro, Ont.—Bids are asked until Oct. 10 by Alex. J. Grant, Supt. Engr., Trent Canal, Peterboro, for the work connected with the construction of Section 1, Ontario-Rice Lake Division of the canal. L. K. Jones, Secy. Dept. Rys. and Canals, Ottawa.

TRAVELING CRANES.—Bremerton, Wash.—The Bureau of Yards and Docks, Navy Dept., Washington, D. C., has awarded to the RANSOME CONCRETE MACHINERY CO., Dunellen, N. J., contract for furnishing two 20-ton traveling cranes, at the Puget Sound Navy Yard, Bremerton, Wash., at $9,226.

DRAINAGE TUNNEL.—Colorado Springs, Colo.—The EL PASO CONSOLIDATED GOLD MINING CO., of Cripple Creek, Colo., has been awarded the contract for the completion of the Cripple Creek drainage tunnel. The El Paso Co. was given the work at $25 per foot, and the contract calls for 15,000 ft. of work. Noted last week.

RIVER PROTECTION.—Santa Ana, Cal.—H. Clay Kellogg, Engr., has submitted to the Board of Directors of the Newbert River Protection District a report of the probable cost of making a defined channel for the Santa Ana River north of Fifth St. bridge crossing Santa Ana River to the ocean, a distance of 10.6 miles, and building levees, bulkheads and jetties. Estimated cost is $183,534. Noted last week.

PIER, SEAWALL.—San Francisco, Cal.—The Board of Harbor Commissioners has received an offer from the Western Pacific Ry. Co. to construct a ferry slip and landing pier north of Islais Creek, on condition that the State will build a seawall for that purpose and also keep the dock in repair. Cost of seawall is estimated at about $130,000. H. M. McCartney is Prin. Asst. Engr., Western Pacific Co., San Francisco.

WHARF.—Middletown, Conn.—The Building Committee of the Trustees of the Connecticut Hospital for Insane is reported to have awarded contracts as follows for building new wharf and industrial trolley at the institution. The machinery and apparatus to the C. W. HUNT CO., of Hoboken, N. J., and for building trolley to the A. E. SANFORD CO., of New York, N. Y.; wharf and dredging to C. C. GOODRICH, of Hartford. Cost of work, about $45,000.

BARGE CANAL.—Albany, N. Y.—Frederick Skene, State Engr. and Surveyor, has completed plans and specifications for two additional contracts for Barge Canal construction work, Nos. 20 and 42, which he will present to the Canal Board for its approval at its next meeting. When the contracts have been approved, bids will be asked for by F. C. Stevens, Supt. of Public Works. The work embraced in these two contracts is located in Schenectady County and west of Utica.

U. S. POSSESSIONS AND CUBA.

(denotes that this work is advertised in Engineering News.)*

*CEMENT, STONE, SAND.—Hawaii.—Bids are asked until noon, Oct. 15, by Capt. C. W. Otwell, Corps Engrs., U. S. A., Honolulu, T. H., for furnishing and delivering 14,000 bbls. Portland cement, 16,500 tons broken stone, and 7,000 tons sand.

*STEAM SHOVELS, ETC.—Panama.—Bids are asked by H. F. Hodges, Gen. Purchasing Officer Isthmian Canal Comn., Washington, D. C., until 10.30 a. m., Sept. 25, for furnishing steam shovels and various articles of machinery, details of which may be seen in the advertisement.

ROOFING.—Panama.—Bids were opened Aug. 22, at the office of Maj. H. F. Hodges, Gen. Purchasing Officer, Isthmian Canal Commission, Washington, D. C., for furnishing 45,000 sheets corrugated galvanized iron roofing and 60,000 lin. ft. galvanized iron ridge roll. The only bid received was that of the U. S. Steel Products Export Co., 24 State St., New York, at $50,682.

STEEL BARGES.—Panama.—Bids were received as follows Aug. 26 at the office of Maj. H. F. Hodges, Gen. Purchasing Officer, Isthmian Canal Commission, Washington, D. C., for furnishing at Colon or La Boca, C. Z., knocked down and ready for shipment six steel barges: Maryland Steel Co., of Baltimore Co., Sparrows Point, Md., $125,700; three in 120 days, six in 200. Moran Co., Seattle, Wash., La Boca delivery, $110,000; Seattle delivery, $98,000; shipment from Seattle, 180 days. Motley, Green & Co., 66 Broad St., New York, $88,000; 170 days. Newport News Shipbuilding & Drydock Co., 1 Broadway, New York, $120,000; 243-273 days. United States Steel Products Exports Co., 24 State St., New York, $135,300; 230 days.

ENGINEERING SUPPLIES.—Panama.—Bids are asked until 10.30 a. m., Sept. 18, at the office of Maj. H. F. Hodges, General Purchasing Officer, Isthmian Canal Commission, Washington, D. C., for a quantity of engineering supplies as follows: One 50-ton steam riveting machine; eleven pneumatic hammers; two pneumatic piston drills; one pneumatic riveter; one yoke riveter; six long holders-on; one pneumatic geared hoist; five electric drills; air hose; testing apparatus, for testing power plants; vaccum pump; platform scales; one motor; 1,200 steel plates, various sizes; 5,000 lin. ft. steel angles; half-round iron; rivets; cotters; 500 boiler tubes and 500 condenser tubes, brass; and a quantity of miscellaneous supplies.

For other Proposal Advertisements see pages 55, 56, 57, 58, 59, 60, 61, 62 of Advertisements and Construction News page 74.

CONSTRUCTION AND EQUIPMENT.

Point du Bois Hydro-Electric Development.

City of Winnipeg, Man.

Sealed tenders, on prescribed forms, addressed to the Chairman of the Board of Control, Winnipeg, Canada, and marked on the envelope "Point du Bois Hydro-Electric Development, tender for ....." (here add the particular item or items as below), will be received at the office of the undersigned up to noon of Tuesday, 1st day of October, 1907, for the construction of the general works, and for the supply and erection of the various portions of the equipment for the Hydro-Electric Works and Station at Point Du Bois, for a Transmission Line between Point Du Bois and Winnipeg, and for a Receiving Transformer Station in Winnipeg.

Copies of the Instructions to Bidders, Plans, Specifications and Forms of Tender may be obtained at the Power Engineer's Office, Carnegie Library Building, Winnipeg.

Each tender must be accompanied by a certifier cheque payable to the order of the City Treasurer for the sum called for in the corresponding "Instructions to Bidders," which cheque will become forfeit to the Corporation in the event of the successful tenderer refusing or neglecting to sign a satisfactory contract when called upon to do so.

Individual tenders will be received for:—

*(3) Telephone System.
(4) General Works at Point du Bois.
(5) 4,000-HP. Turbines (five).
(6) 450-HP. Turbines (two).
(7) 3,000-KW. Generators (five).
(8) 250-KW. Generators (two).
(9) Indicating Motor (one).
(10) Step-up Transformers (five).
(11) Generating Station, Switching and Accessory Apparatus.
(12) Generating Station, Light, Heat and Power Systems.
(13) Generating Station, Oil and Air Systems.
(14) Erection of Transmission System (75 miles).
(15) Steel Tower.
(16) High Tension Insulators.
(17) Electric Transmission Cable.
(18) Terminal Station.
(19) Step-down Transformers (five).
(20) Terminal Station, Switching and Accessory Apparaus.
(21) Terminal Station, Light, Heat and Power System.
(22) Terminal Station, Oil and Air System.
(24) Testing Transformers and Apparatus.
(25) Electric Travelling Cranes (three).
(26) Turbine Governors (seven).
(27) Auxiliary Apparatus.
(28) Repair Shops.

An alternative, lump-sum tender will be received for the entire work, including all of the above-mentioned items, together with additional work and equipment necessary to install a complete working plant. As a further alternative tenderer may include or group together one or more of the above items, providing that they have also tendered for the individual items of such group.

The Board reserves the right to reject any or all tenders, or to accept any tender which shall appear advantageous to the City of Winnipeg.

The Office of the Board of Control.

Winnipeg, Aug. 24, 1907.

M. PETERSON,
Secretary.

*These numbers are those of the different volumes of Specifications. 9-2t

CEMENT SIDEWALKS.

Monroe, N. Y.

Sealed proposals will be received by the Board of Trustees of the Village of Monroe, N. Y., until Thursday, September 5, 1907, at 2 o'clock P. M., for the construction of about 11,000 square feet of cement sidewalk, and about 1,400 lin. feet of curbing.

Proposals, addressed to the Village Clerk, must be accompanied by a certified check for $100, payable to the Village of Monroe.

Specifications may be seen at the office of the Engineer at Monroe, N. Y., and at the office of Engineering News.

The Board reserves the right to reject any or all bids.

T. F. B. CARPENTER,
Village Clerk.

FRED. J. KNIGHT, Engineer. 9-1t

SEWERAGE SYSTEM.

South Orange, N. J.

Sealed proposals will be received by the Township Committee of the Township of South Orange, at their rooms in Maplewood, N. J., until 8 o'clock P. M., Tuesday, September 17th, 1907, for the construction of sanitary sewers in two sections of the Township, and requiring quantities approximately as follows:

Maplewood District.

3,460 feet of 10-inch vitrified pipe sewer.
15,090 feet of 8-inch vitrified pipe sewer.
63 manholes.
12 flushtanks.

South Orange Heights District.

250 feet of 10-inch vitrified pipe sewer.
16,648 feet of 8-inch vitrified pipe sewer.
47 manholes.
13 flushtanks.

Proposals for each district must be made separately and each accompanied by a certified check for $2,000 made payable to the "Township of South Orange." Plans and specifications can be seen at the Public Building, Maplewood, N. J., and at the office of Alexander Potter, Consulting Engineer, 143 Liberty Street, New York City.

The right is reserved to reject any or all bids.

By order of the Township Committee.

EDWARD R. ARCULARIUS,
Township Clerk.

ALEXANDER POTTER,
Consulting Engineer. 9-3t

WATER-WORKS SUPPLIES.

Office of the Board of Water Commissioners of the City of Los Angeles.

August 19, 1907.

Sealed proposals will be received by the Board of Water Commissioners of the City of Los Angeles, at the office of said Board, 440 S. Hill Street, up till 3:30 P. M. of September 30, 1907, for furnishing and delivering f. o. b. cars at Los Angeles, California, approximately 6,000 tons of Standard Hub and Spigot Cast Iron Water pipe, as follows:

920	pcs.	24-inch.
955	"	20 "
670	"	20 "
490	"	20 "
2,500	"	12 "
500	"	10 "
1,000	"	8 "
2,000	"	6 "
2,500	"	4 "

Specifications can be obtained, upon application, from the Secretary, at 440 S. Hill Street.

A certified check for five per cent. of the amount of the bid, made payable to Jno. J. Fay, Jr., President of the Board, is to accompany each proposal, to be held as a guarantee that a contract with bond approved by the said Board will be entered into by the party whose bid is accepted, in accordance with the terms of the said bid.

The Board reserves the right to reject any or all bids, in whole or in part.

WM. MULHOLLAND,
9-2t Superintendent.

STEEL WORK.

Napanoch, N. Y.

Sealed proposals, suitably endorsed on envelope, for furnishing and erecting all structural steel and iron work for Power House and Stack, and conduits, at Eastern New York Reformatory, Napanoch, N. Y., will be received up to 12 o'clock M. on Saturday, the 14th day of September, 1907, by HENRY MELVILLE, President of the Board of Managers, at Elmira Reformatory, Elmira, N. Y., when bids will be opened and read publicly.

Drawings and specifications may be consulted and blank forms of proposals obtained at Eastern New York Reformatory, Napanoch, N. Y., or by application to G. L. HEINS, State Architect, Capitol, Albany, N. Y.

Contracts will be awarded to the lowest responsible and reliable bidders, unless the bids exceed the amount of funds available therefor, in which case the right to reject all bids is reserved. 9-2t

BOILERS AND PUMPING MACHINERY.

Office of the Water Department of the City of Los Angeles.

August 19, 1907.

Sealed proposals will be received by the Board of Water Commissioneers of the City of Los Angeles, at its office, No. 440 S. Hill Street, up till 3:30 P. M. of September 30, 1907, for two water-tube boilers of 300 horse

power each, and one seven-million gallon cross-compound pumping engine, in accordance with specifications on file with F. J. Fischer, Chief Mechanical Engineer, at the above address.

Bids will be received separately for boilers and machinery.

A certified check for 5 per cent. of the amount of the bid, made payable to Jno. J. Fay, Jr., President of the Board, is to accompany each proposal, to be held as a guarantee that a contract with bond approved by the said Board, will be entered into by the party whose bid is accepted, in accordance with the terms of the said bid.

The Board reserves the right to reject any or all bids.

WM. MULHOLLAND,
9-2t Superintendent.

RESERVOIR AND PIPE.

Orange, N. J.

Sealed proposals, endorsed "Proposals for furnishing of twelve-inch, twenty-inch and twenty-four-inch cast iron water pipe, with special castings; also proposals for the laying of twelve-inch, twenty-inch and twenty-four-inch cast iron pipe with special castings; also proposals for the construction of a covered reservoir; all of said proposals to be submitted in accordance with the plans and specifications prepared by the City Engineer and filed in his office, and addressed to the Common Council of the City of Orange, will be received by the City Clerk at the hour of eight o'clock in the evening on Monday, the 9th day of September, A. D. nineteen hundred and seven, in the Common Council Chamber, Canfield Street Engine House, and opened publicly at said meeting in the presence of the bidders, who may choose to attend.

Each proposal must be accompanied by an undertaking of a Surety Company, authorized to do business in the State of New Jersey, to the amount stated in each contract.

Specifications may be seen at the office of the City Engineer, Orange National Bank Building.

No bid will be considered unless the party making shall furnish evidence satisfactory to the Common Council of his experience and ability in this class of work, and his financial ability successfully to prosecute the said contract in case the same shall be awarded him.

Bidders are required to state in their bids their individual names and places of residence in full.

The right to accept or reject a part of any or all proposals is hereby reserved as may be deemed best for the interest of the city.

WILLETT B. GANO,
City Clerk.
Dated Orange, N. J., Aug. 20, 1907. 9-2t

Department of Public Works,
Bureau of Surveys,
Office, 412 City Hall,
Philadelphia, Aug. 23d, 1907.

Sealed proposals, endorsed "Bids for Bridges, Main Sewers, Branch Sewers, Inlets and Pine Street Sewer," and addressed to the undersigned at the office above mentioned, will be received until 12 o'clock, noon, on Sept. 11th, 1907, for

Schedule A.—Bridges.
" B.—Main sewers.
" C.—Branch sewers.
" D.—Inlets.
" E.—Reconstruction of Pine Street sewer.

Plans for the above work will be exhibited in the office of the Bureau of Surveys, Philadelphia.

Specifications and blank forms upon which bids must be made will be furnished upon application to the Chief Engineer, Room 416, City Hall.

Bidders must be skilled and regularly engaged in the class of work bid for.

No bid will be considered unless accompanied by a certificate from the City Solicitor that the provisions of an ordinance requiring proposal bonds when the bids exceed in amount five hundred dollars, approved May 25th, 1860 (p. 81, West), have been complied with.

The Director reserves to himself the right to reject any or all bids, as he may deem best for the interests of the city.

GEORGE R. STEARNS,
9-2t Director.

U. S. ENGINEER OFFCE, Honolulu, T. H., Aug. 15, 1907.—Sealed proposals for furnishing and delivering 14,000 barrels Portland Cement, 16,500 tons broken stone, and 7,000 tons sand, will be received here until 12 M., Oct. 15, 1907, and then publicly opened. Information furnished on application. C. W. OTWELL, Capt., Engrs. 9-4t

CONCRETE STEEL AND STEEL BRIDGES.

City Engineer's Office,
Springfield, Mass., Aug. 26, 1907.

Sealed proposals will be received by the City Treasurer of Springfield, Mass., until Tuesday, Sept. 3, 1907, 12 o'clock M., for the construction of the superstructure only for a steel bridge over the Boston and Maine Railroad on line of Abbe Avenue with clear span of 178 ft. 6 ins., one 24-ft. roadway and one 6-ft. sidewalk. Also for the complete construction of a concrete steel structure over Mill River on line of Pecousic Avenue, clear span 24 ft., length 100 ft.

Form of proposal and specifications can be obtained and plans may be seen at the City Engineer's Office, Springfield, Mass.

The right is reserved to reject any or all bids or to accept any bid.

Per order of the Board of Supervisors of Highways and Bridges.

CHARLES M. SLOCUM,
9-1t City Engineer.

CURB AND GUTTER CONSTRUCTION.

Jamestown, N. Y., Aug. 20th, 1907.

Sealed proposals will be received by the Board of Estimate and Review at their office in the City Hall until 12 o'clock noon, Sept. 2d, 1907, for the furnishing of labor and materials for the construction of approximately 23,000 feet of cement curb and gutter, 36 concrete catch basins, and ten (10) manholes.

Plans and specifications may be examined at the office of the City Engineer where blank forms of proposals may be obtained.

Payment for said work to be made upon a cash basis 85% on monthly estimates, and 15% when the work is accepted.

Each bid must be accompanied by a certified check in the sum of $500.00, made payable to the Board of Estimate and Review, as a guarante of good faith that the bidder will promptly enter into a contract if awarded the work. The Board reserves the right to reject any or all bids.

Signed, F. A. DORMAN,
C. G. JONES,
C. P. CARLSON,
Board of Estimate and Review.
C. G. JONES, City Engineer. 8-2t

ASPHALT PAVEMENT.

Champaign, Ill.

Sealed proposals will be received by the Board of Local Improvements at the City Hall, Champaign, Illinois, until two (2) o'clock P. M., Friday, September 6, 1907, for grading, curbing, draining and paving Daniel Street with asphalt.

Approximate quantities are as follows:

Excavation, 5,950 cu. yds.; asphalt pavement, concrete foundation, 8,320 square yds.; combined curb and gutter, 5,700 lineal feet; retaining and false curb, 442 lineal feet; gutter plates, 40; catch basins, 12; 8" V. C. pipe, 1,820 lineal feet.

Plans, specifications, contract and bidding blank may be obtained by application to George C. Fairclo, City Engineer, Champaign, Illinois. Each proposal must be accompanied by a certified check for ten per cent. of the amount of the bid. The right is reserved to reject any and all bids.

G. C. FAIRCLO,
Secretary Board of Local Improvements.
9-1t

PAVING.

Bayonne, N. J., August 22d, 1907.

Sealed proposals will be received and opened by the Council of the City of Bayonne, N. J., at a meeting to be held at the City Hall on Tuesday, September 3d, 1907, at eight o'clock P. M., for all the labor and material for the improvement of Andrew Street and of W. 43d Street from Avenue C to Broadway.

There will be required about 5,130 square yards of Asphalt Paving, 2,800 ft. of curb reset, together with excavation and other appurtenances.

All bidds must be in the regular forms provided for the purpose; plans and specifications for the work are on file in the office of the City Surveyor, where blank forms of proposal or any further information can be obtained.

The amount of bond required will be $4,000, and the time allowed for completion is sixty days.

The Council reserves the right to reject any or all bids.

W. C. HAMILTON,
City Clerk.
F. W. DALRYMPLE,
City Surveyor. 9-1t

WATER-WORKS.

Canon City, Colo.

Notice is hereby given that bids will be received by the City Clerk of the City of Canon City, in the County of Fremont and State of Colorado, up to and including the 20th day of September, A. D. 1907, for furnishing the necessary material for and doing the work required in the construction of an additional system of water works, consisting of one reservior, located at and near Cottonwood Creek in said county, and a pipe line connecting said reservoir with the present city water mains; according to plans and specifications on file in the office of said City Clerk, and to be completed within twelve months from the time of signing contract. Each bid must be accompanied by a surety bond in the penal sum of $50,000 for the faithful performance of the contract on the bidder's part if awarded to him, the city reserving the right to reject any and all bids.

A. H. SEELY,
9-1t Mayor of Canon City.

SEWER SYSTEM.

Linton, Indiana, Aug. 21, 1907.

Bids are asked by the Common Council until 4 P. M., September 16th, 1907, for constructing a Sanitary Sewer System for Linton, Indiana; the work consists approximately of thirteen (13) miles of sewer, with disposal plant; approximate cost, $64,800.

FRANK SPELBRING,
9-2t City Clerk.

PROPOSALS FOR STEAM SHOVELS, Steam Churn Drills; Air Compressor Plant, including Air Compressors, Air Receivers, Boilers, Steel Stack, Smoke Box, Pumps, Condenser, Feed Water Heater, Oil Separator, Header, Valves and Fittings; Tandem Compound Engine and 100-kilowatt Generator, Induction Motors, Transformers, Rock Drills and Equipment, Steel Rails, Splice Bars, Tie Plates, Track Bolts and Spikes, Frogs, Switches, Switch Stands, Steel, Iron, Rivets, Wrought-Iron Pipe, Drill Bitts, Machinist's Hand Taps, Clamp Screws, Snatch Blocks, Molder's Bellows, Melting Ladles, Safes, Steam Whistles, Steam Traps, Wheelbarrows, Water Coolers, Rubber Sleeves for Suction Dredge, Canvas Belting, Manila Rope, Boiler Compound, Red Lead, Borax, Cross-ties, Piles, Lumber etc. Sealed proposals will be received at the office of the General Purchasing Officer, Isthmian Canal Commission, Washington, D. C., until 10.30 a. m., September 25, 1907, at which time they will be opened in public, for furnishing the above-mentioned articles. Blanks and general information relating to this Circular (No. 388) may be obtained from this office or the offices of the Assistant Purchasing Agents, 24 State Street, New York City; Custom-House, New Orleans, La.; 1086 North Point Street, San Francisco, Cal., and 410 Chamber of Commerce Building, Tacoma, Wash.; also from Chief Quartermaster, Chicago; Depot Quartermaster, St. Louis; Depot Quartermaster, Jeffersonville, Ind., and Chief Quartermaster, Atlanta, Ga., and at U. S. Engineer's Office in the following cities: Baltimore, Md.; Philadelphia, Pa.; Pittsburg, Pa.; Boston, Mass.; Buffalo, N. Y.; Cleveland, Ohio; Cincinnati, Ohio; St. Paul, Minn.; Detroit, Mich., and Milwaukee, Wis. H. F. HODGES, General Purchasing Officer. 9-1t

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., August 22, 1907.—Sealed proposals will be received at this office until 3 o'clock P. M., on the first day of October, 1907, and then opened, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring) of the U. S. Court House and Post Office at Eau Claire, Wisconsin, in accordance with drawings and specification, copies of which may be had at this office or at the office of the Custodian of site at Eau Claire, Wisconsin, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect. 9-2t

SEALED PROPOSALS will be received at the office of the Treasurer, Eastern Branch, National Home for Disabled Volunteer Soldiers, Togus, Maine, until 12 M., September 19, 1907, and then opened, for furnishing materials, labor, etc., for the improvement of the sewerage and drainage system of the Eastern Branch, National Home for Disabled Volunteer Soldiers, at Togus, Maine. Plans of the proposed improvement may be seen at the office of the Treasurer, Eastern Branch, National Home for Disabled Volunteer Soldiers, Togus, Maine, and at the office of the Engineer, GEORGE W. FULLER, No. 170 Broadway, New York City, where application should be made for specifications, blank form of proposal and instructions to bidders. 9-2t

U. S. ENGINEER OFFICE, Jones Building, Detroit, Mich., August 26, 1907.—Sealed proposals for dredging Section 1, Plan B, Detroit River, will be received here until 3 P. M., October 8, 1907, and then publicly opened. Information furnished on application. CHAS. E. L. B. DAVIS, Col. Engrs. 9-3t, 14-1t

U. S. ENGINEER OFFICE, Jones Building, Detroit, Mich., August 26, 1907.—Sealed proposals for rock and earth excavation, Section 2, Plan B, Detroit River, will be received here until 3 P. M., October 7, 1907, and then publicly opened. Information furnished on application. CHAS. E. L. B. DAVIS, Col. Engrs. 9-3t, 14-1t

DEPARTMENT OF THE INTERIOR. OFFICE SUPERINTENDENT, CAPITOL BUILDING AND GROUNDS, Washington, D. C., August 22, 1907.—Proposals (in duplicate) will be received and opened publicly at the above office at 12 o'clock M., Saturday, August 31, 1907, for marble partitions, etc., required for the public rooms in the Office Building, House of Representatives. Drawings and specifications the above work will be furnished respondible intending bidders upon the deposit of a certified check for $25 as a guarantee the return of the drawings and specifications. Each bid must be accompanied by a certified check or surety bond in the sum of 2 per cent. of the amount of bid. The right is reserved to reject any or all bids or to waive any technicality or informality in any bid. ELLIOTT WOODS, Superintendent U. S. Capitol Building and Grounds. Approved: GEORGE W. WOODRUFF, Acting Secretary. 9-1t

Situations Wanted

Civil Engineers.

CIVIL ENGINEER (26), with five years' experience in construction, design, freight and passenger layouts, track design and detail and mine engineering, good estimator, desires position with railroad, engineering or contracting firm. Address "R. B. 9," Engineering News, N. Y. 9-1t

CIVIL ENGINEER, experienced in estimating, designing and specification work, desires position. Good references furnished. Address "K. B. 9," care Engineering News, New York. 9-1t

Surveyors.

YOUNG MAN, 23, desires position where both field and office work is required. Is experienced with level and transit, also has engineering education, and a good draftsman. Address "E. B. 9," Engineering News, New York. 9-1t

RODMAN, railroad experience, open for engagements Sept. 15th; not afraid of hard work. Address "P. B. 9," Engineering News, New York. 9-1t

Superintendents, Misc., etc.

WANTED—Position with contractor; instrument and office work; 2 years' experience. Address "D. B. 9," Engineering News, New York. 9-1t

CONSTRUCTION SUPERINTENDENT, capable of taking charge of large contract, having had over 20 years' experience in tunnels, hard and soft ground, subways, timbering, pile-driving, bridges, viaducts, sewers, canals, shovel work, concreting, conduits, etc. Address "C. B. 9," Engineering News, New York. 9-3t

POSITION as purchasing and material agent for construction company by experienced and capable young man who knows how and where to buy, and who also knows how to quickly distribute equipment and materials on the works. Willing to go anywhere. Address L. O. WEILBACHER, P. O. Box No. 790, Baltimore, Md. 9-1t

EXPERIENCED reinforced concrete and structural engineer open for engagement; has held positions of chief draftsman and assistant engineer on heavy railroad construction. Address "W. B. 9," Engineering News, New York. 9-1t

WANTED—Position as mechanical engineer, chief draftsman, mechanical superintendent or manager; about 25 years' experience in pipe mill, rolling mills and general machine work; unquestionable reference as to character and ability. Address "S. B. 9," Engineering News, New York. 9-2t

Situations Open

AT ONCE—Instrument man for land subdivision work; also for railroad location work; also good rodman. Work in Georgia and neighboring States. State experience in detail and salary expected. Address "I. B., 9," Engineering News, New York. 9-1t

Miscellaneous Wants

SURVEYORS.—Advertiser, having well furnished offices, with all necessary equipment, desires first-class surveyor and C. E. with about $1,000 to join him in extension of business. Address "L. A. 9," Engineering News, New York. 9-1t

WHEN WRITING ADVERTISERS.

Every Advertiser is rather interested to know how you got his name, and we would request that when you write, you state that you saw it in the pages of

ENGINEERING NEWS